Volume 169 No. 13

Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

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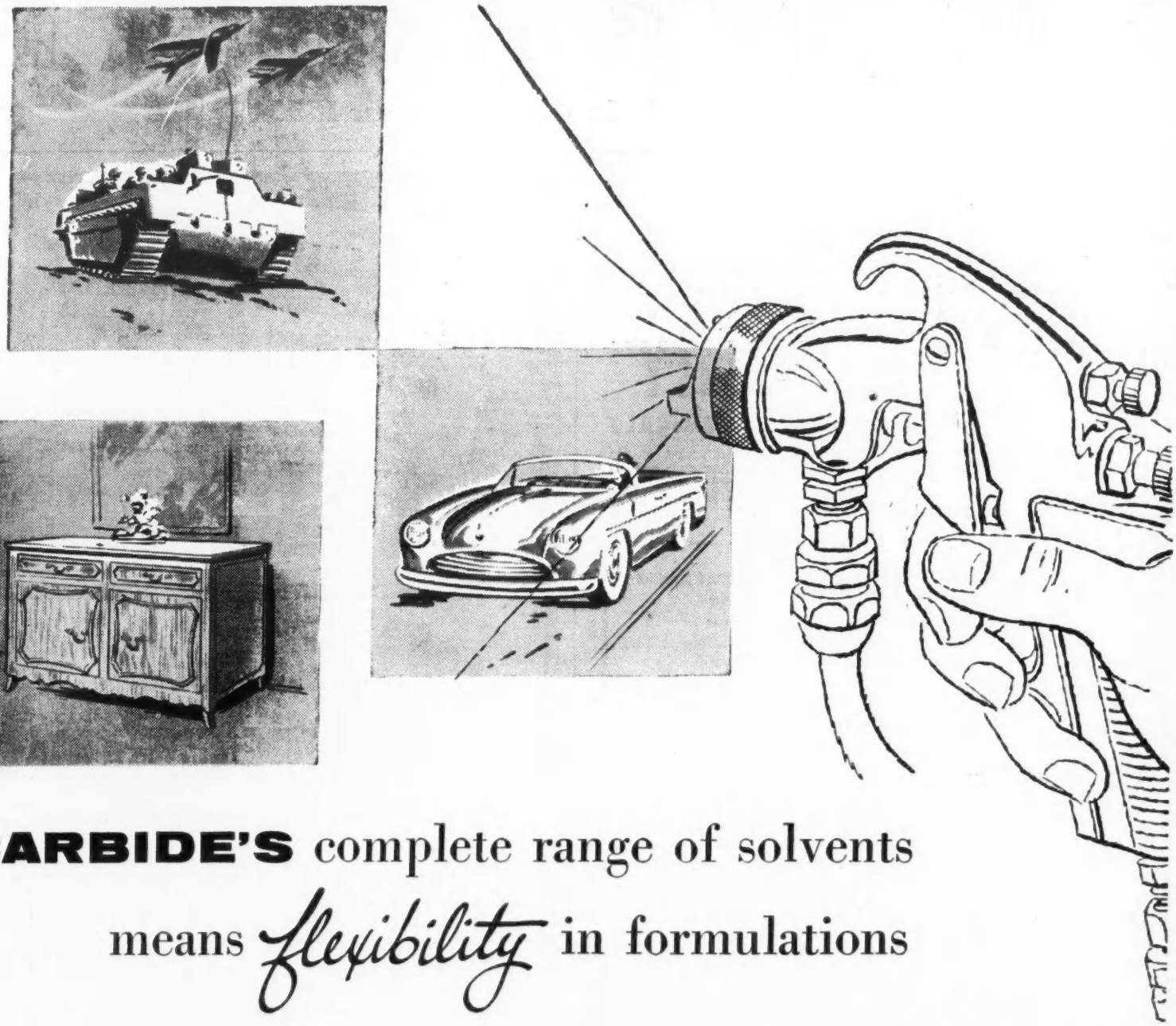

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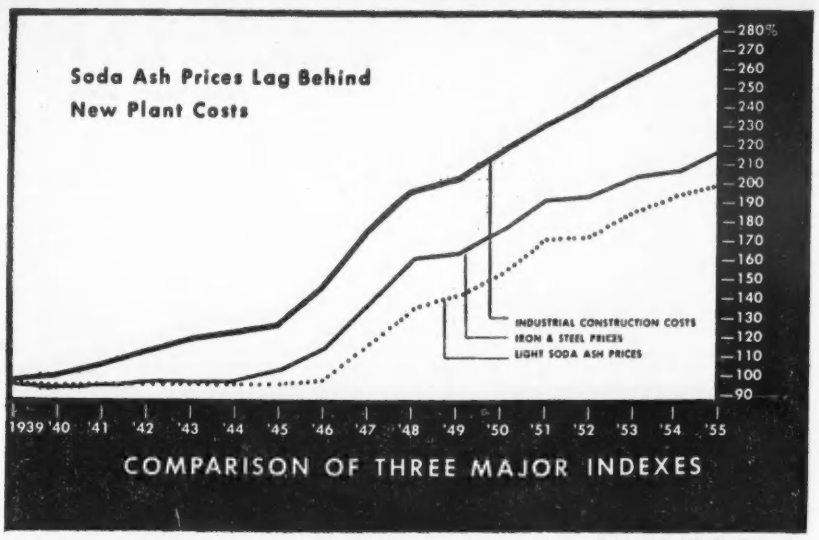
Oil, Paint and Drug Reporter

Vol. 169 No. 13 30 Church St., New York 7, N. Y. March 26, 1956



Diamond Alkali Company

Alkali Industry's Headache: Soda Ash Price-Cost Squeeze - - - What to Do About It?

The alkali industry is becoming increasingly vocal about what it regards as its biggest headache—the price-cost squeeze on synthetic soda ash profit margins. Latest producer to worry out loud is Diamond Alkali.

The chief obstacle confronting alkali producers is the unsatisfactory margin of profit in synthetic soda ash operations. So says Diamond Alkali Company, Cleveland, Ohio, in its annual report for 1955. The report, published last week, again throws the spotlight on a problem that has been plaguing producers for some time.

"In this area of our business," the Diamond report states, "we are burdened by a price structure that has not kept pace with constantly increasing costs, as well as constant demands for replacement of older worn-out facilities."

Technicians Working on Problem

Diamond notes that it has had a large technical staff working on the problem, but that so far the company has not succeeded in developing process improvements that will lower costs enough to compensate for the inflated costs of worn-out equipment.

That this problem is not unique with Diamond is borne out in a recent speech by John O. Logan, general manager of the industrial chemicals division of Olin Mathieson Chemical Corporation, Baltimore, Md.

Speaking before last month's annual convention of the American Paper and Pulp Association in New York, Mr. Logan said: "In my mind, there is more concern about the future growth of soda ash productive capacity than there is about the growth of chlorine and caustic soda capacity.

"Soda ash plants are essentially large volume units and must be so located as to take advantage of cheap fuel and limestone.

"Practically all of the plants currently in operation (with the exception of the

—Continued on page 66

BAKELITE PRICING BOSS: Howard Smith, named assistant general sales manager of Bakelite Company, New York, a division of Union Carbide & Carbon Corporation, in charge of its pricing of materials and administration of contracts.

Business Stability Is Continuing, Purchasing Agents Survey Indicates

This report was prepared by the business survey committee of the National Association of Purchasing Agents.

The stability of general business, at a high level for the past three months, continues to hold that even pace in the March survey of purchasing executives. On production, the reports show 33 percent having increased output, 1 percent greater than last month, while 57 percent report production the same, which is also 1 percent higher than February. A production decline is shown by 10 percent, against 12 percent a month ago. A similar pattern is shown for new orders, with 33 percent reporting better order positions, 50 percent the same, and 17 percent receiving less volume. This compares with 30 percent, 52 percent and 18 percent, respectively, in February.

Higher Prices Trend Accelerates

The reports indicate an acceleration in the upward trend in industrial materials prices, with ferrous and nonferrous metals leading the way. The slight increase in employment is expected to improve further with the arrival of spring; and the shortage of skilled workers will persist, say the committee members. Inventories are up slightly, while little change is reported in buying policy.

Of those who answered a special survey question, concerning the projected demand for consumer durables, 54 percent thought the demand was holding its own; 37 percent saw it slipping, and 9 percent said this demand is improving.

The consensus was that credit obligations incurred during last year's record sales would act as a deterrent to further extensions of individual debt at this time. However, many who reported expect increased buying of consumer durable goods in the third and fourth quarters.

Last month's reports from committee members who saw no relief from current high prices, might also well have read, "no relief from probable higher prices." In March, the number listing price advances increased 10 percent, to 68 percent,

—Continued on page 66

Spencer Planning New Formaldehyde Capacity

Spencer Chemical Company is planning a $120,000 expansion in formaldehyde capacity at its Chicago works. The plant, located in Calumet City, will be expanded 25 percent to meet the demands of a growing formaldehyde market.

Construction of new facilities will begin during June, for completion by January 1, 1957. The Chicago plant is now producing inhibited and uninhibited formalin with formaldehyde concentration tailored to meet customer specifications. In addition, Spencer produces aqua ammonia and hexamine at the Chicago location, which the company began operating in 1949. The expansion will be constructed by Quaker Valley Constructors, Inc., a Spencer subsidiary.

Rohm & Haas Due For Record Spending

Rohm & Haas Company, Philadelphia, plans to spend a record high total of about $25 million a year for 1956 and 1957 on new construction projects here and abroad, it was revealed in the firm's 1955 annual report last week.

A major part of this construction program for 1956-57 will be for facilities at Houston, Tex., for the manufacture of actylene, ammonia and methanol.

The acetylene installation will use natural gas as a basic raw material. Chief use Rohm & Haas makes of acetylene is in the synthesis of acrylate monomers.

Additional expenditures are planned for stepped-up capacity of acrylic products,

—Continued on page 47

Interchemical Corp. Reveals Expansion Projects for '56

Interchemical Corporation will undertake a number of expansion projects this year, it was disclosed in the firm's annual report for 1955 last week.

Completion of its new printing ink facility in Cincinnati, Ohio, is scheduled this year. The company also intends to further expand its industrial finishes plant in that city, and to install additional units for the manufacture of gravure and flexographic inks in Lodi, N. J., and Chicago.

House Unit Keeps Reins Over Businessmen in Gov't

A two-year extension of the defense production act with no easing of restrictions on businessmen in government was approved last week by the house banking committee. H.R. 9852, which provides for the extension, now goes to the house floor for passage.

During hearings on the legislation, Secretary of Commerce Sinclair Weeks appealed for a relaxation of the requirements imposed last year that businessmen disclose their financial connections upon taking WOC jobs in the government.

The committee not only rejected the secretary's request, however, but voted to extend the disclosure requirements to cover the "executive reserve."

This is a group of several hundred businessmen organized by various departments to be trained in government operations and to be subject to call for important posts in the government in the event of an emergency.

Esso's Chemicals Ante Is $16 Million

Esso Standard Oil Company has placed in its 1956 budget an item of about $16 million for chemical products projects. This is part of an allotment of $126.6 million for capital investments, the highest annual figure for that purpose in the company's history, according to an announcement by President Stanley C. Hope.

Another large single item of investment—about $35.5 million—is for new or improved equipment for making gasoline, heating oil and other fuels at the company's six refineries.

At its Baton Rouge, La., refinery, reportedly the largest such installation in the United States, the company has already started construction of some new facilities and others will be started at various times during the year.

Esso expects that about two years will be required for completion of the various projects at Baton Rouge and anticipates spending about $40 million on them in that period.

Among the new projects to be under-

—Continued on page 67

Columbian Will Add Unit To Carbon Black Plant

Columbian Carbon Company, New York, will add a unit with 20,000,000-pounds annual capacity to its carbon black plant at North Bend, La., in order to achieve greater flexibility in production.

A second unit of equal capacity is under consideration. Construction of the first unit will be started within ninety days.

The rubber industry's demands for an increasing variety of carbon black grades make this action advisable in spite of below-capacity operations at many plants of the carbon black industry, Columbian said.

Glidden to Increase Paint Output at Reading Plant

Plans are being completed for a major expansion of paint capacity at the Glidden Company's eastern region paint plant at Reading, Pa. Construction is tentatively scheduled for September, pending acquisition of structural steel, with completion expected by early 1957.

The new facilities, designed for low-cost production of high volume consumer and professional paint products, will have a producing capacity of 100,000 gallons of paint per month. Space provisions have also been made for the installation of additional equipment which would double the unit's capacity.

The addition will encompass nearly 50,000 square feet of floor space. More than half this area will be utilized for a three-story manufacturing unit with the balance devoted to expanded warehousing facilities.

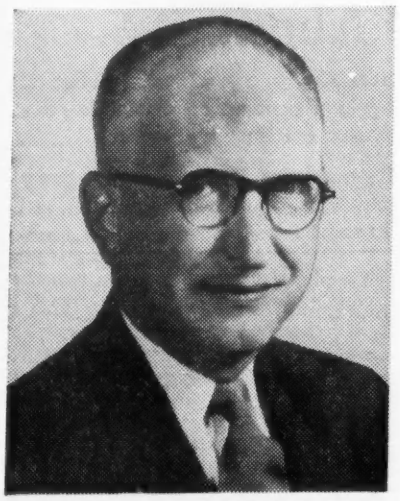
H. F. Winger, regional director of Glidden's eastern region, estimated that the new plant combination of scientific layout, automatic equipment and high-volume production will cut paint manufacturing costs as much as 40 percent.

Production units will include grinding, mixing, straining, filling and conveyor equipment of the most modern design. The mixing tanks to be installed are among the largest in existence, being capable of mixing 4,000 gallons of paint at one time. Operations will be automated to a large extent with mixing, filling, packaging and carton sealing, all accomplished automatically. Plans are also being considered for a combined conveyor-pallet system whereby the cartons would automatically be stacked on pallets for pick-up by fork trucks.

The Reading plant, one of twelve paint manufacturing units that Glidden has throughout the United States and Canada, is among the largest paint producing facilities in the nation. It presently produces about 650,000 gallons of varnish, lacquer and consumer and industrial paint products monthly. The unit serves Pennsylvania, Virginia, Maryland, the New England States, and the eastern seaboard from Maine to North Carolina.

Fluorspar Producers Denied Bid for More Tariff Protection

Adopting the findings of the Democratic members of the Tariff Commission that imports pose no serious threat to domestic producers, President Eisenhower last week rejected the industry's request for withdrawal of tariff concessions on imports of acid-grade fluorspar. The commission split evenly on the issue, with the three Republican members holding that, while imports are causing no serious injury at present, they threaten to do so in the future. They recommended that the tariff on imports, which was cut by the Torquay agreement of 1951 from $5.60 per long ton to $2.10 a long ton, be restored in full (OPD, 1/23/56).



TECHNICAL SERVICE CHIEF: E. L. Combs, appointed by Diamond Alkali Company, Cleveland, Ohio, to head up a new technical service group covering application of its chromium chemicals in the metal-finishing industry.

Mr. Eisenhower said that he decided to accept the findings of the three commissioners who held no escape clause relief was necessary at this time after consulting with other interested departments and agencies of the government.

He noted that the application for escape clause relief is separate and distinct from the domestic industry's application under last year's so-called "national security" amendment to the trade agreements extension act. This latter application is still pending before the director of the Office of Defense Mobilization.

Commenting on this petition in a report to congress last week, ODM director Arthur Flemming stated that because of the three-to-three division of the Tariff Commission in its findings on acid-grade fluorspar, it has been necessary to re-examine all the basic data prior to the determination of the national security importance of the fluorspar industry.

Nat'l Aniline Adding To Research Facilities

National Aniline Division of Allied Chemical & Dye Corporation will build an addition to its research-engineering center located at the Buffalo, N. Y., plant. The new building will provide increased space for application research on di-isocyanates, which are being produced by National Aniline Division for sale under the trade-name of "Nacconates."

The company's new plant for producing the "Nacconates" is now nearing completion in Moundsville, W. Va. This will provide large-scale facilities for production of the diisocyanates.

The need for increased capacity for application research has come within a year of the dedication of the new large research-engineering center, and illustrates the growth and expansion of research on new products, National Aniline pointed out.

The new addition for application research will be a one story structure providing approximately 10,000 square feet of floor space. It is expected to be completed for occupancy by late 1956.

Wax Output Hike Weighed By Sun Oil at Marcus Hook

Sun Oil Company, Philadelphia, in its annual report out today, reveals that it is considering the expansion of wax capacity at its Marcus Hook, Pa., refinery by 700 tons a month.

The company is also weighing the installation of catalytic reformers at Marcus Hook and Toledo, Ohio, the latter possibly with a unit to produce benzol and other aromatics.

In the planning stage are a variety of other projects, some of which are slated for completion this year. These include:

A desulfurizer for high sulfur charge stocks for the catalytic reformers at Marcus Hook.

An alkylation plant at Toledo to provide more components for high-octane gasoline.

Expansion of gas processing facilities at Toledo.

Victor Plans Expansion In Phosphorus, Phosphate

Victor Chemical Works, Chicago, is in process of appreciably expanding its phosphorus production and has plans in the engineering stage for a further sizable expansion in both phosphorus and phosphate producing capacity, August Kochs, founder and chairman, has told shareowners.

In addition, Mr. Kochs disclosed, Victor's central research facilities at Chicago Heights, Ill., will be increased 50 percent.

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Arizona Chemical Opens Lab

Arizona Chemical Company, New York, has a new process development laboratory at Panama City, Fla., which will carry out process development work, and will also work in cooperation with the Stamford, Conn., laboratories of American Cyanamid Company, where exporatory research work will continue as heretofore in the direction of new products to be made from Arizona's basic raw materials. Richard Herrlinger will become chemical director of the newly-established laboratory and also will direct the chemical supervision of the plants.

Mr. Herrlinger has been a research chemist with American Cyanamid since 1930. As senior group leader in the product research department of the Stamford laboratories he headed the research and development work on tall oil and turpentine products for Arizona Chemical Company during the past eleven years.

Others Being Transferred

Dr. Hans Albrecht, a research chemist, is also being transferred to Panama City, Fla., from the laboratories at Stamford, in connection with the new laboratory.

Also being transferred to Panama City is Leo Ciesielski, who will assist Frank Meeker, chief engineer, whose headquarters have already been at Panama City for several years. Both men have been engaged in research and development work on Arizona products for a number of years.

The new facilities will be under the direction of C. J. Kirkland, production manager, with headquarters at Panama City.

Arizona Chemical, jointly owned by American Cyanamid and International Paper Company, is creating the new facilities to enable it to serve the constantly expanding demand for its tall oil and terpene products, it said.

Richard Herrlinger

'Come on In': AEC To Chemical Industry

The chemical industry should take a more active part in the atomic energy program. That's the view of Dr. Willard F. Libby, commissioner of the Atomic Energy Commission. Speaking before the American Power Conference in Chicago last week, Dr. Libby said that the industry is in error if it feels that atomic power is something primarily for power companies.

There are byproducts of an atomic reactor which may be useful in the chemical industry to the point that the manufacturer of power may well become a mode of entry for the chemical industry, he added.

Dr. Libby cited as an example the fact that fission products are ordinarily a

—*Continued on page 67*

Hooker Upping Capacity For 'Hetron' Polyesters

Hooker Electrochemical Company, is doubling the capacity of its "Hetron" polyester resin manufacturing facilities, which are to be completed by June 1.

Demand for Hooker's line of eight "Hetron" resins has risen rapidly, the company says, and it is indicated that capacity of the present multi-million pound per year plant will be inadequate to meet fabricators' demands for much longer.

The Week's Price Changes

Copper Carbonate, Sulfate, Imported Cresylic Acid Higher. Casin, Tankage, Mercury, Brazilian Menthol Lower.

Prices Advanced

Celery seed, Indian, 1c. per lb. (p. 54).
Cocoa butter, ½c. per lb. (p. 61).
Copper carbonate, 2½c. per lb. (p. 36).
Sulfate, CP, 1c. per lb. (p. 36).
99%, cryst., $1 per cwt.
monohydrated, $1.65 per cwt.
tribasic, $2 per cwt.
Cresylic acid, imp., 10c. per gal. (p. 44).
Greases, ¼c. per lb. (p. 61).
Laurel leaves, Turkish, 2c. per lb. (p. 54).
Nutmeg, East Indian, 1c. per lb. (p. 54).
West Indian, 2c. per lb.
Oil, chenopodium, 20c. per lb. (p. 54).
Guiacwood, 10c. per lb. (p. 54).
Lemongrass, 10c. per lb. (p. 54).
Neroli, French, $25 per lb. (p. 54).
Oleo, ¼c. per lb. (p. 61).
Vetiver, Haitian, 20c. per lb. (p. 54).
Potato starch, ¼c. per lb. (p. 60).
Soybean meal, $2 per ton (p. 61).
Tallow, edible, ½c. per lb. (p. 61).
inedible, ⅛c. per lb.

Prices Reduced

Acid, linseed, 1/10c. per lb. (p. 61).
Blood, dried, Chicago, 25c. per unit-ton (p. 39).
Casein, imp., Argentine, 1c. per lb. (p. 57).
Cinnamon, Ceylon, No. 2, 1c. per lb. (p. 54).
Cottonseed meal, $1.50 to $2 per lb. (p. 61).
Cumin seed, Iranian, 1c. per lb. (p. 54).
Dichloropentanes, mixed, 1¼c. per lb. (p. 40).
Mace, East Indian, 5c. per lb. (p. 54).
Mercury, $4 per flk. (p. 36).
Menthol, Brazilian, 10c. per lb. (p. 49).
Oil, citronella, Java, 5c. per lb. (p. 54).
Cottonseed, crude, ¼c. per lb. (p. 61).
refd., ¼c. per lb.
Linseed, 1/10c. per lb. (p. 61).
Peanut, crude, ¼c. per lb. (p. 61).
refd., ¼c. per lb.
Soybean, crude, ½c. per lb. (p. 61).
refd., ½c. per lb.
1-Pentanol, ½c. per lb. (p. 40).
Pepper, white, 1c. per lb. (p. 54).
Tankage, Chicago, 25c. per unit-ton (p. 39).

OPD Price Index

THE OIL, PAINT AND DRUG REPORTER'S relative record of prices of chemicals and related materials is currently as follows:—

(100=1949 average)

Mar. 23, 1956	Mar. 16, 1956	Mar. 25, 1955
107.57	107.33	107.23

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Copper Market Seen in Balance

Barring work stoppages and other unforeseen developments, copper supply and demand in the United States will be in approximate balance during the second quarter of this year, according to the copper division of Business and Defense Services Administration.

Production of refined copper from domestic ores is expected to increase substantially in the second quarter due primarily to new production at the big San Manuel mine in Arizona.

Demand is expected to continue strong, since a slackening in automobile production may be offset by heavy requirements of expanding power and communication facilities, increased industrial and commercial construction, and greater production in the durable equipment industries, the division said.

Copper Wire Mill Products in 1955

Shipments of copper wire mill products in 1955 were higher than for any previous year, despite a shortage of copper. Shipments of unalloyed copper tube also exceeded any previous figure on record.

In relation to demand, the copper supply in the first quarter of this year continues short. This was attributed by the copper division partly to the December-January work stoppage in Chile, and a strike in January at a Long Island, N. Y., refinery.

Unfilled orders for copper wire mill and brass mill products at the end of 1955 represented over two months' production at the fourth quarter rate. Both industries reported slight increases in unfilled orders. This brings the estimated figure for the entire brass mill industry to 461 million pounds, and that for the copper wire mill industry to 298 million pounds. These are the highest on record since the first quarter of 1953.

Carbon Black Installation To Be Put Up in Brazil

A furnace-type carbon black plant with an annual minimum capacity of 30,000,000 pounds will be built near Santos, Brazil, it has been announced by Celanese Corporation of America and Columbian Carbon Company, both New York.

The plant will be built by Copebras (Companhia Petroquimica Brasileira). The plant site has been purchased and permits to import materials, equipment, and machinery from the United States have been issued by the Brazilian government.

A ten-year contract for raw materials has been signed with Petrobras, the government controlled oil company. Construction will get under way promptly.

Copebras is a Brazilian corporation organized for the purpose of engaging in the production of petrochemicals in that country.

The equity stock of the corporation is owned, through holding companies, by Celanese, Columbian Carbon, Joseph S. Michaan, a New York businessman, and Brazilian interests.

The carbon black plant is the first announced operation of the Copebras company.

The new plant will operate under Columbian Carbon processes and know-how. Columbian will also supply design, engineering, supervision of construction and continuous operating and technical service.

Alcohol-Butadiene Plant Bids Due by Midnight of April 19

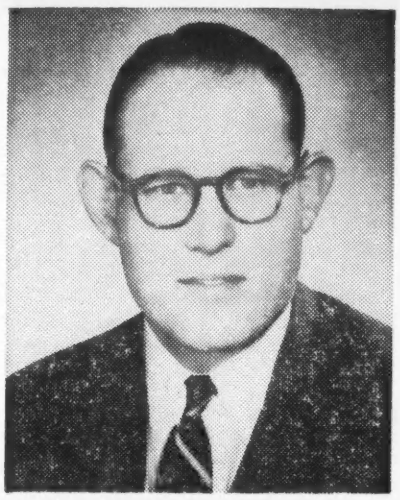
Bids for the purchase or lease of the government's alcohol-butadiene plant at Louisville, Ky., will be received by the Rubber Producing Facilities Disposal Commission, until midnight April 19.

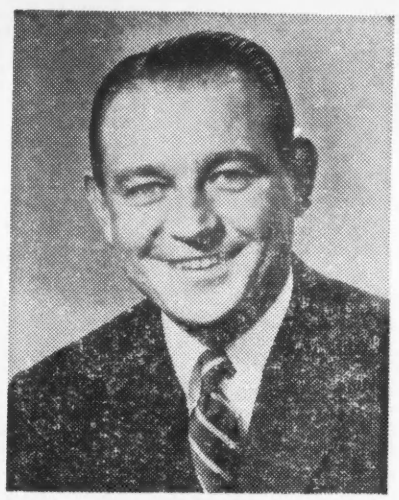
The same deadline will apply to proposals for the purchase or lease of the government's equipment at Baltimore, Md., which is used in the manufacture of a catalyst for the production of butadiene from alcohol.

Disposal of these facilities was authorized in a bill signed by the President last week. The facilities were originally offered for sale in November, 1953, but no bids were received.

The alcohol-butadiene plant was leased to Publicker Industries, Inc., Philadelphia, in April, 1955, for a term of three years, and is now in partial production.

Proposals relating to this plant may be made subject to the existing lease or may be conditioned upon negotiating with the lessee for an earlier termination date.





TOP MANAGEMENT REALIGNMENT: Robert L. McNeil, jr. (left) and Henry S. McNeil (right), elected chairman and president, respectively, of McNeil Laboratories, Inc., Philadelphia. Chairman of the board is a new senior post in the company created upon the retirement of its founder and president, Robert Lincoln McNeil. James A. Noone has been elected vice-president and treasurer.

Pyrethrum Extraction Facility Is Planned by Growers in Africa

Plans for erection of the world's largest pyrethrum extraction plant outside the United States, in Nakuru, Kenya, Africa, have been laid before American and European manufacturers of equipment, it was announced today by African Pyrethrum Development, Inc., New York. The capacity of the plant is expected to be 2,500-3,000 tons of flowers a year, and is planned for future expansion.

The extraction plant is being planned by Pyrethrum Board of Kenya, an organization representing the pyrethrum growers. Its requirements were brought to America by Dr. John R. Furlong, the board's scientific advisor. Dr. Furlong also designed and built the board's laboratory, opened at Nakura late in 1955—the first one designed exclusively for research into pyrethrum.

Planned Capacity of Plant

The planned capacity of the plant, according to African Pyrethrum Development, is substantially the total amount of blossoms now shipped in bales to the United States for extraction here.

The only other extraction plant now operating in Africa is one at Nairobi with a capacity of 2,000 tons a year. The pyrethrum extract can be flown, in case of need, to processors, whereas baled flowers must be sent by ship over the long route from Mombasa or Dar es Salaam, on the east coast of Africa, to American ports.

Styrene Project Is Begun by Cosden

Construction on Cosden Petroleum Corporation's $3 million styrene plant, the first in west Texas, is under way at the company's Big Spring refinery. Badger Manufacturing Company is building the plant scheduled for completion in November of this year.

The facility will produce 20 million pounds of styrene each year for use in the manufacture of synthetic rubber and plastics. Raw material for the plant will come from Cosden's BTX plant at the same site.

Planned for the plant are modern, improved technics of separation including "ultra-fractionation" for the recovery of ethyl benzene direct from petroleum stock such as xylene streams. The process has never before been used, Cosden pointed out.

The project is part of a $11.5 million expansion program of Cosden, which reportedly has one of the world's largest independent inland refineries at Big Spring.

Other projects of the expansion, either under construction or on the drawing board, include addition of a Rexformer, a feed preparation unit, revamping of the present catcracker, a 102-mile six-inch pipeline to Abilene, and a nine-mile products line to nearby Webb Air Force Base.

North American Cyanamid Starts Modernization Work

The first step in a major modernization program — the addition of improved screening and sizing equipment—will be undertaken soon at the Ingersoll limestone quarry of North American Cyanamid, Ltd.

D. Mc. Collette, manager of Cyanamid's Niagara plant, affiliated with the quarry, said increased limestone production will result in a two-shift operation.

Titanium Output to Climb

National Lead Company and Allegheny Ludlum Steel Corporation are planning a 67 percent expansion of sponge production at their jointly owned Titanium Metals Corporation of America plant at Henderson, Nev.

The new titanium capacity is expected to come on stream the latter part of this year and will raise the output of this facility from 3,600 to 6,000 tons a year. At the same time, ingot-melting units wil be enlarged to meet the additional production.

The new capacity will be provided independent of government contractual guarantees. In 1950 TMCA, aided by a government loan of $15 million, began conversion of part of the former Basic Magnesium plant at Henderson and installed facilities for the production of titanium.

Output of sponge metal rose from one ton a day in 1951 to the present rate of ten tons a day, first reached in September, 1954.

Titanium ingots produced at Henderson are processed in Allegheny Ludlum plants into mill products for TMCA. The ingot expansion program slated this year will necessitate an increase in the production of finished titanium mill products.

A number of new installations of auxiliary precessing equipment will be required in the finishing mills to permit processing of the entire new production of titanium ingots.

In the military sphere, titanium is finding its major applications in the J-57 and J-75, as well as in other jet engines, and in the B-52 bomber, all advanced jet fighters, ballistic missiles and atomic installations.

Civilian jet aircraft, such as the Douglas DC-8 and the Boeing 707, will also use titanium in many structural sections.

Rare Metals Up To Needs 1st Time Since Pre-Korea

Columbium and tantalum, which have been scarce in this country since before the Korean conflict, are now in plentiful enough supply to meet all known civilian requirements, according to the Bureau of Mines.

Especially vital for jet engines and special electronic equipment, columbium and tantalum also enter into everyday life in creating special steels and a variety of other products, ranging from camera lenses to fountain pens. Wartime conservation, however, retarded possible new civilian and military uses which now may be developed.

The Department of the Interior agency points out that 99 percent of the columbium and tantalum used in the United States is imported, but that the supply last year was four times greater than before the Korean War.

Producers Have Ample Capacity

Companies that produce metals from the imported ores informed the bureau they have sufficient capacity to handle all foreseeable demand. In fact, they say they could produce three times the amount of columbium now being consumed for civilian use.

Last year, domestic consumers, including the armed forces, used less than half the more than 5,000 tons of columbium and tantalum mineral concentrates available, and the government stopper purchasing the minerals last May.

Listed as two of our most critical minerals during World War II, columbium and tantalum are produced principally as byproducts of tin mining in Nigeria, the Belgian Congo and Malaya.

Bureau metallurgists explain that both metals have many important civilian uses. Columbium improves corrosion-resistance and other properties in stainless and low-carbon steels, is used in high-temperature alloys and welding rods, and even has potential applications in making jewelry and silverware.

Tantalum is almost indispensable in some chemical equipment and in large power tubes for radio and television sets and, either as a metal or a carbide, finds use in cutting tools.

Copper, Nickel, Selenium Export Quotas Announced

Second-quarter export quotas for copper raw materials, nickel and nickel products, and selenium have been announced by Bureau of Foreign Commerce. The quotas for copper raw materials are substantially the same as those established in the first quarter.

Copper-nickel alloy scrap containing 5 percent or more nickel, previously included in the quota for new and old copper-base alloy scrap, is no longer under quantitative export restrictions, BFC said. However, licensing of this material will be subject to special provisions to be announced in a forthcoming Current Export Bulletin.

Exports of refined copper of domestic origin (except copperweld rods) and that produced from Canadian-origin scrap generally will not be approved.

All other copper raw materials remain under open-end licensing.

Second - quarter export licensing of nickel-bearing scrap will continue under the policy established in previous quarters, BFC stated.

Reserpine Licensing Pact Made by Penick and Ciba

Reserpine manufactured and sold by S. B. Penick & Co., New York, is now licensed under patents of Messrs. Ciba, Ltd., Switzerland, in all countries where such patents have been issued and where Ciba patent applications are still pending, according to Penick.

In all countries where Ciba patent applications on reserpine are now pending, licenses will automatically become effective to Penick as the patents may be issued. Reciprocal license arrangements under patents issued as the result of Penick applications will be considered.

Thus, the reserpine supplied by Penick to countries where Ciba patents have been issued may be sold and used in such countries without any conflict with Ciba patents.

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In reaction with mineral acids, ALKATERGES form water-soluble salts that produce stable foams. These salts, and the salts of lower monobasic organic acids, and of hydroxy acids are excellent wetting agents. With the higher fatty acids, ALKATERGES form oil-soluble soaps.

PENETRANTS

Solutions of the salts of ALKATERGES are useful as penetrants in textile, paper, metal cleaner manufacture. Reported to reduce resin consumption in the waterproofing of paper.

PIGMENT-GRINDING ASSISTANTS; PIGMENT DISPERSANTS

ALKATERGES convert stiff pigment-oil mixtures into fluid, easy-to-grind compositions. Also recommended in resin-carbon black formulations.

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By neutralizing perspiration acids, the ALKATERGES protect metals subject to corrosion through handling.

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ALKATERGES are recommended as dispersants for flattening agents in varnishes and enamels and for any finely divided solid in nonpolar liquids.

ANTI-OXIDANTS

ALKATERGES delay drying of film in a drying oil. Reported to reduce gum formation in a hydraulic oil system. Aid cleaning of a dirty system.

CLEANERS

Solutions of ALKATERGE salts are effective penetrants in metal cleaners.

ACID ACCEPTORS

Since most of their salts are somewhat oil soluble, ALKATERGES can be used to tie up acidity from deterioration of oils or of additives. Useful also as perspiration acid neutralizers in corrosion preventive oils.

ANTI-FOAMING AGENTS

Used alone or in carriers, ALKATERGES control certain foams encountered in processing organic materials such as manufacturing antibiotics. They do not turn rancid and are nontoxic to most antibiotic microorganisms.

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Association Meetings

American Chemical Society, national meeting, Dallas, Tex., April 8-13; Atlantic City, N. J., September 16-21.

American Drug Manufacturers Association, annual meeting, Greenbrier hotel, White Sulphur Springs, W. Va., April 29-May 3.

American Institute of Chemists, annual meeting, Statler hotel, Boston, Mass., May 9-11.

American Management Association, packaging conference and exposition, Convention Hall, Atlantic City, N. J., April 9-12.

American Pharmaceutical Manufacturers Association; annual meeting, Boca Raton Club, Boca Raton, Fla., April 9-11.

American Zinc Institute, annual meeting, Statler hotel, St. Louis, Mo., April 23-24.

Annual Symposium on Antibiotics, Willard hotel, Washington, D. C., October 17-19.

Association of Consulting Chemists and Chemical Engineers, banquet and symposium, Belmont Plaza hotel, New York, April 25.

California Fertilizer Association, annual conference, Citrus Experiment Station of the University of California, Riverside, Calif., April 16-17.

Council for Agricultural and Chemurgic Research, annual conference, Congress hotel, Chicago, April 10-12.

Chemical Bureau Alumni Association, spring get-together, Lexington hotel, New York, April 26

Chemical Institute of Canada, annual conference and exhibition, Mount Royal hotel, Montreal, May 28-30

Chemical Market Research Association, annual meeting, Biltmore hotel, New York, May 14-15.

Chemical Progress Week, April 23-28.

Chemical Specialties Manufacturers Association, mid-year meeting, Drake hotel, Chicago, May 20-22.

Drug, Chemical and Allied Trades Section of the New York Board of Trade, annual outing, Pocono Manor Inn, Pocono Manor, Pa., September 27-29.

Federation of Paint and Varnish Production Clubs, annual meeting, Cincinnati, Ohio, October 21-24.

International Organization for Standardization, council meeting, Geneva, Switzerland, July 16-21.

Inter Society Color Council, Statler hotel, New York, April 4-7.

Manufacturing Chemists' Association, annual meeting, Greenbrier hotel, White Sulphur Springs, W. Va., June 7-9

Metal Powder Association, annual meeting, show, Cleveland hotel, Cleveland, Ohio, April 10-12.

National Association of Purchasing Agents, annual convention, Public Auditorium, Cleveland, Ohio, May 20-23.

National Cottonseed Products Association, annual convention, Statler Hilton hotel, Dallas, Tex., May 21-22.

National Paint, Varnish and Lacquer Association, annual convention, Statler, Ambassador and Biltmore hotels, Los Angeles, November 12-14.

National Plastics Exposition, sponsored by Society of Plastics Industry, New Coliseum, New York, June 11-15.

Perkin Centennial, sponsored by American Association of Textile Chemists and Colorists, Waldorf-Astoria hotel, New York, week of September 10.

Proprietary Association, annual meeting, Hollywood Beach hotel, Hollywood, Fla., May 7-9.

Scientific Apparatus Makers Association, annual meeting, Belleview-Biltmore hotel, Belleaire, Fla., April 8-12.

Society of Chemical Industry, chemical industry medal presentation, Waldorf-Astoria hotel, New York, April 27.

Synthetic Organic Chemical Manufacturers Association, monthly luncheon meeting, Roosevelt hotel, New York, April 12; annual outing, Skytop Lodge, Skytop, Pa., May 16-18; annual meeting and dinner, Biltmore hotel, New York, December 3.

Toilet Goods Association, annual meeting, Waldorf-Astoria hotel New York, May 15-17.

Trade Fair of the Atomic Industry, Navy Pier, Chicago, September 24-28.

Linseed, Soybean Oil Output Due to Rise Under Present Plans

A substantial increase in the production of linseed oil and soybean oil can be expected this year under normal weather conditions if the growers carry through on the March 1 intentions. The Crop Reporting Board of the Department of Agriculture reports that flaxseed growers indicate they plan to increase their acreage about 5.3 percent over 1955 to a total of about 5,465,000 acres. This compares with average plantings of 4,367,000 acres for the ten-year average 1945-54, and would be the third largest acreage in thirty-seven years of record.

Big Flaxseed Rise in Offing

If yields per planted acre should approximate the 1950-54 average, the intended acreage would produce a crop of about 45,000,000 bushels of flaxseed. Production was 40,637,000 bushels in 1955 and the ten-year average is 37,812,000 bushels.

Growers intend to plant a record acreage of soybeans if they carry out their March 1 plans. Indications point to 21,800,000 acres to be planted, which is nearly 11 percent above the 19,700,000 acres last year, the previous high.

If intentions are carried out for soybeans planted for all purposes and about the same proportion of the total acreage is harvested for beans as in the last two years, about 20,200,000 acres would be utilized for this purpose.

Applying the 1950-54 average yield, by states, to the computed acreage for beans results in an indicated production of about 410,000,000 bushels, about 10 percent

—Continued on page 46

Nickel Tagged for Gov't Being Shifted to Industry

Eighteen million pounds of nickel, originally scheduled for shipment to the government, are going to private industry in the second quarter of 1956.

In making the announcement last week, the Office of Defense Mobilization said that a major portion will be premium-priced ferronickel and nickel ingot. Customary sales to industry of 500,000 pounds a month of nickel oxide from Nicaro production will be continued.

TGA Will Study Way to More Sales

The Toilet Goods Association, at its annual convention in the Waldorf-Astoria hotel, New York, on May 15 through 17 will deal chiefly with the problem of how the industry can secure a larger share of the consumer's dollar during the current year.

An innovation this year will be a session devoted to exclusive problems arising out of packaging and production. Under the supervision of Ed Love, production manager of Bristol-Myers Company, an entire session will be devoted to efforts to minimize the small company's disadvantage in this field.

Another session will be held on management and selling problems. Albert E. Ritchie, vice-president in charge of sales for Wildroot Company, will direct the session.

Other topics to be discussed in the session will include profitable markets still untapped by the larger companies and the application of automation to small businesses.

John H. Breck, jr., executive vice-presi-

—Continued on page 46

Warren Denies It's Planning To Build Petrochemical Unit

Warren Petroleum Corporation, Tulsa, Okla., last week categorically denied that it has any intention of using its newly acquired 300-acre site in Houston, Tex., for a multi-million-dollar petrochemical plant (OPD, 3/12/56).

A spokesman for the company told OPD, "We exercised an option to purchase this tract, the purchase being made for investment purposes in view of the fact that the acreage had appreciated in value since the option was granted several months ago.

"We have no plans in the mill for a multi-million-dollar petrochemical plant."

The Warren Petroleum tract is on the San Jacinto River and the Wallisville road, immediately south of an adjoining site of the $25 million chemical plant being built for Texas Butadiene & Chemical Corporation.

Textile Chemists to Sponsor Celebration Marking Discovery Of the First Synthetic Dye

A week-long celebration of the discovery by William Henry Perkin of the first synthetic dye—mauve—will be held this year at the Waldorf-Astoria hotel, New York, beginning on September 10. The American Association of Textile Chemists and Colorists is sponsoring the event, with the cooperation of twenty-seven other associations and two government departments.

During the year the entire chemical world will pay tribute to the inventive genius of Perkin, whose research-conscious mind was responsible for creating the first synthetic dye by accident, while attempting to synthesize quinine.

Perkin's effort was a failure insofar as his objective was concerned, since he obtained some violet crystals instead of quinine. This occurrence may not have been the first of its kind, but the significant feature about it is that Perkin did not let matters rest at that point.

Development of Perkin's Mauve

He pursued his experiments until he had the chemical process under control, and was able to market the first synthetic dye, known historically as Perkin's mauve.

His success spurred the desire to delve into the unknown world of synthetic color, and shortly thereafter others brought forth dyes that outrivalled nature's colors in virtually all respects. Man's dependence upon natural dyes was thus ended. From Perkin's simple color, mauve, the range of coaltar dyes now numbers in the thousands.

The story of dyes — where they originated and what they mean to our national and industrial economy — will be publicized to the press, magazines, radio and television, further coverage being obtained through the co-operation of publications of the participating societies, technical journals and trade papers.

As a further contributing factor to the success of the centennial, carefully planned exhibits will be among the outstanding features. Three rooms at the Waldorf-Astoria have been designated for this purpose.

Grace, Brazil Firm Plan to Make Alloys

W. R. Grace & Co., of New York, is planning a joint million dollar investment in Brazil with Eriez S. A. Produtos Magneticos y Metalurgicos, wholly-owned subsidiary of Eriez International Corporation, Erie, Pa., to manufacture permanent magnet alloys.

The plans call for construction of a new plant in the Sao Paulo area at a total investment of over $1 million. Plans of Eriez and Grace are to build a new and much larger plant, expand production greatly and manufacture "Alnico V," a powerful magnetic alloy increasingly in demand by industry in Brazil and other South American countries.

Titanium Use Foreseen In Trains, Trucks, Ships

The use of titanium metal in lightweight passenger trains, trailer-truck frames and ship plates has been forecast by a metallurgist from E. I. duPont de Nemours & Co., Wilmington, Del.

Leo J. Barron, of duPont pigments department, told the American Association of Mining and Metallurgical Engineers at a meeting in Buffalo, N. Y., that while these uses awaited lower price levels, the metal is now being employed in a surprising array of non-defense applications.

In his speech, Mr. Barron described for the first time results of duPont's extensive program for development of civilian markets for titanium.

He listed new markets ranging from chemical and food processing equipment to marine hardware for salt-water sail boats. In many uses, under extremely corrosive conditions, titanium had far outlasted conventional metals, in one application by a ratio of more than 1,800 to one, he said.

Potash for Farms Big Item in Deliveries

Deliveries of potash for agricultural uses accounted for over 95 percent of the 3,844,143 tons of potash salts delivered in North America last year, according to the American Potash Institute. Muri te of potash continued to be by far the most popular material, comprising nearly 94 percent of the total K_2O delivered for agricultural purposes. The remaining 6 percent was made up of sulfate of potash and sulfate of potash magnesia.

Agricultural potash was delivered in forty-seven states and the District of Columbia with Illinois taking the lead with over 192,000 tons K_2O. Ohio, Indiana, Georgia, Florida and Virginia followed in that order, each taking more than 100,000 tons K_2O during the year. Due to ship-

—Continued on page 45

American Lithium Chemicals Making Lithium Hydroxide

Lithium hydroxide production operations are progressing favorably at the San Antonio, Tex., plant of American Lithium Chemicals, Inc., it was reported last week by American Potash & Chemical Corporation in its annual report.

American Potash owns a 50.1 percent interest in American Lithium Chemicals, whose new $6.1 million facility was completed in December.

NEW LEVER BOARD MEMBERS: W. N. Burding, Henry Schachte and John P. Moser, from left, who have been elected directors of Lever Brothers Company, New York. Mr. Burding is marketing vice-president. Mr. Schachte joined Lever a year ago as advertising vice-president, while Mr. Moser is production vice-president in charge of the manufacturing, distribution, purchasing and industrial divisions.

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● When you buy from 'Roche' you deal with a house of over a half century's experience in the fine chemical field,—a house that produces every useful type of ascorbic acid to meet virtually every manufacturing need; the first to achieve commercial production of vitamin C by the famous Reichstein synthesis.

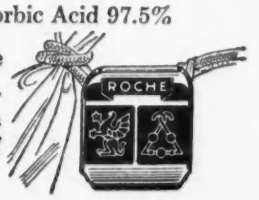
● Large consumers can have the advantage of single lots running as high as 3000 kilos—uniformly mixed, and necessitating only one assay. This is possible because 'Roche' really produces vitamin C "By the Tons."

● Small users are just as important to us—they get the same 'Roche' service, the experience of a house that for many decades has been in the forefront of vitamin research and manufacturing. 'Roche' technical personnel is equally ready to assist you with development and production problems.

● All types of 'Roche' ascorbic acid are uniform, readily soluble, and easy to handle. 'Roche' scientific production control is meticulous—it guarantees highest quality; specifications that even exceed U.S.P.'s.

● Quick delivery from strategically located warehouses, where any of the following types are stocked to meet your individual product specifications, and from which fresh material is insured by our huge volume of sales:

Fine Powder — Ultrafine (Mikro) Powder — Granular
Fine Granular — Superfine Granular — Ampul Type
Sodium Ascorbate — Coated Ascorbic Acid 97.5%



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● Ascorbic Acid and Sodium Ascorbate 'Roche' are packed in sealed polyethylene bags in 1-kilo and 2½ kilo tamperpruf tripletite metal containers. Larger quantities are packed in sealed polyethylene bags in fibre drums. Smaller quantities in amber screw cap bottles. *Ampul type* ascorbic acid is packed under inert gas in 100 gram bottles and in 1-kilo and 2½ kilo tamperpruf metal containers.

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CHEMICALS AND RELATED MATERIALS

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Current MARKET Quotations

Unless otherwise indicated, listings are first-hand quotations prevailing, according to information and belief, March 23 on large lots, f.o.b. New York, with the lowest in the left-hand column and the highest in the right-hand column. The listings do not represent bid and asked prices nor a range over the week. Differences between high and low may be accounted for by differences in quantity, quality, locality, or individual suppliers' views. An index to the weekly market reports is to be found on page 4.

A

Acacia (see Gum arabic).
Acenaphthene, below 92.5 C., m.p., dms., works lb. .40 - —
above 92.5 C., m.p., bbls., dms., works lb. .41 - .50
Acetaldehyde 99% dms. c.l., dlvd. lb. .12 - —
l.c.l., dlvd lb. .13½ - —
tanks, dlvd lb. .10 - —
Acetaldol (see Aldol).
Acetanilide, tech., flaked, bbls., bgs., c.l., frt. alld lb. .29 - —
ton lots lb. .30 - —
smaller lots lb. .33 - —
USP, bbls. 2,000-lb lots lb. .80 - —
smaller lots lb. .81 - .85
Acetic anhydride, dms., c.l., dlvd. E. lb. .15½ - —
l.c.l., dlvd. E lb. .17 - —
tanks, dlvd. E lb. .14 - —
Acetoacetanilide, fib. dms., c.l., dlvd lb. .80 - —
l.c.l., dlvd lb. .81 - —
Acetoacet-o-chloroanilide, fib. dms., c.l., dlvd lb. 1.35 - —
l.c.l., dlvd lb. 1.36 - —
Acetoacet-o-toluidide, fib. dms., c.l., dlvd. lb. .82 - —
l.c.l., dlvd lb. .83 - —
Acetone, CP, dms., c.l., dlvd lb. .09 - —
l.c.l., dlvd lb. .10 - —
tanks, dlvd lb. .07 - —
Methyl (see M).
Acetonitrile, dms., c.l., works lb. .45 - —
l.c.l., works lb. .47 - —
Acetophenetidin, USP, bbls., works, frt. equald lb. 1.17 - 1.19
Acetophenole, cns., dms lb. 1.21 - 1.85
tech., dms., l.c.l., works lb. .75 - —
N-Acetyl-p-aminophenol, dms., frt. adjusted lb. 1.75 - 1.85
Acetyltributyl citrate, tech., non-ret. dms., c.l., frt. alld. E. of Denver lb. .36 - —
l.c.l., frt. alld. E. of Denver lb. .35 - —
tanks, frt. alld. E. of Denver. lb. .33 - —
Acetyltriethyl citrate, tech., non-ret. dms., c.l., frt. alld. E. of Denver lb. .39 - —
l.c.l., frt. alld E. of Denver. lb. .40 - —
tanks, frt. alld. E. of Denver. lb. .37 - —
Acetyltri-2-ethylhexyl citrate, non-ret. dms., frt. alld lb. .60 - —
Acid, abietic, coml., dms., c.l., works lb. .12 - —
l.c.l., ex whse lb. .1490 - —
cryst., dms., c.l. works lb. .06½ - —
l.c.l., works lb. .07 - .07½
Acetic, coml., or redist., 28%, bbls 100 lbs. 4.80 - —
56%, bbls 100 lbs 8.25 - —
70%, bbls 100 lbs. 9.95 - —
80% bbls 100 lbs.10.45 - —
glacial, syn., CP, dms., dlvd. 100 lbs.15.00 -16.00
tech. dms. c.l., dlvd 100 lbs.12.00 - —
l.c.l., dlvd 100 lbs.13.00 - —
tanks, dlvd 100 lbs.10.00 - —
USP cbys., inclusive, dlvd., 100 lbs.24.00 -25.00
Acetic anhydride (see Acetic anhydride above).
Acetylsalicylic, USP, special, makers, primary distrib., bbls., 1,000-lb lots, point of shipt lb. .61 - —
standard, fine, cryst., gran., (30-40 mesh) powd., (60 mesh) bbls., 1,000-lb. lots. lb. .56 - .58
Freight equald, shipt. identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.
Adipic, bgs., c.l., dlvd lb. .35 - —
l.c.l., dlvd lb. .37¾ - —
Aminoacetic, NF, bbls., frt. adjusted lb. 1.50 - 1.75
p-Aminobenzoic, tech., dms., works lb. 1.74 - 1.77
USP, dms., 1,000-lb. lots or more, works lb. 2.30 - —
smaller lots, works lb. 2.35 - 2.60
p-Aminosalicylic, dms., 1,000-lb. lots or more, frt. adjusted lb. 4.25 - —
smaller lots, same basis lb. 4.30 - 4.75
Anthranilic, 99%, 150-lb. dms., dlvd. lb. 1.10 - —
Arsenous, tech. (see Arsenic, white).
USP (see Arsenic trioxide).
Ascorbic USP, dms., 25-100 kilo lots kilo.12.00 - —
10-kilo lots kilo.12.35 - —
5-kilo lots kilo.12.75 - —
bots, 1-kilo lots kilo.13.00 - —
500-gram lots kilo.13.50 - —
Battery, cbys., c.l., works, E. 100 lbs. 2.35 - —
l.c.l., works, E 100 lbs. 2.65 - 3.45

Acacia—Acid, L

Acid, benzoic, tech., bbls., dms., 100-lb. lots or more lb. .44 - —
USP, bbls., dms., 100-lb. lots or more lb. .54 - —
Betahydroxynaphthoic (see Acid, b-Oxynaphthoic).
Betaoxynaphthoic (see Acid b-Oxynaphthoic).
Boric, tech., 99.9%, cryst., bgs., c.l., works ton.126.75 - —
ton lots, ex whse, N. Y. or Chi ton.176.50 - —
smaller lots, same basis. ton.181.50 - —
dms., c.l., works ton.151.25 -172.25
ton lots, ex whse. N. Y. or Chi ton.201.00 -222.00
smaller lots, same basis. ton.206.00 -227.00
gran., bgs., c.l., works ton.101.75 - —
ton lots, ex whse. N. Y. or Chi ton.151.50 —
smaller lots, same basis. ton.156.50 - —
dms., c.l., works ton.126.25 -147.25
ton lots, ex whse. N. Y. or Chi ton.176.00 -197.00
smaller lots, same basis. ton.181.00 -202.00
bulk, c.l., works ton.95.75 - —
Boric, tech., 99.9%, powd., bgs., c.l., works ton.106.75 - —
ton lots, ex whse, N. Y. or Chi ton.156.50 - —
smaller lots, same basis. ton..161.50 - —
dms., c.l., works ton.131.25 -152.25
ton lots, ex whse., N. Y. or Chi ton.181.00 -202.00
smaller lots, same basis. ton.186.00 -207.00
Boric acid in kegs $45.50 per ton higher than in paper bgs. USP boric Acid $25 per ton higher.
Broenners, bbls lb. 1.76 - —
Butyric, 99%, dms., c.l., works lb. .34 - —
l.c.l., works lb. .34½ - —
tanks, works lb. .32½ - —
Capric, dms lb. .24 - .26
Caprylic, dms. lb. .24 - .26
Cassella, dms., frt. alld., 100% basis lb. 1.44 1.75
Castor oil, split, dms lb. .35½ .36
Chicago, bbls frt alld lb 3.21 —
Chloroacetic, mono, purif., flake, 99%, dms lb. .23½ .25½
tech. flake, 96-97%, dms., frt. equald lb. .20 - .21
o-Chlorobenzoic, fib. dms., t.l., works lb. 1.10 - —
smaller lots, works lb. 1.25 - —
Acid, p-chlorobenzoic, fib. dms., 2,000 lbs. or more, works lb. 2.25 - —
less than 2,000 lbs., same basis. lb. 2.30 - —
Chlorosulfonic, dms., c.l., frt. equald lb. .0463 - —
l.c.l., frt. equald lb. .0515 - —
tanks, frt. equald lb. .0415 - —
Acid, chlorosulfonic, in stainless steel dms. ½c. per lb. higher.
Chromic, 99¾%, dms., c.l., works, frt. equald lb. .28½ - —
l.c.l., dlvd., N. Y. metropolitan area lb. .29 - .30
NF (see Chromium trioxide).
Cinnamic, refd., bots lb. 2.50 - 3.50
Citric, USP, anhyd., gran., fine gran., bgs., dms., c.l. lb. .29½ - 30
10,000-lb. lots, 1 shipt. lb. .30 - .30½
smaller lots lb. .30½ - 31
hydrous, gran., fine gran., bgs., dms., c.l. lb. .27½ - 28
10,000-lb lots, 1 shipt. lb. .28 - .28½
smaller lots lb. .29 - .29½
Powdered citric acid ½c. higher.
Cleve's, mixed, bbls lb. 79 —
Coconut oil, dist., dms. lb. .23¾ - .25¾
tanks lb. .21¾ - —
dbl. dist., dms. lb. .23¾ - .26¾
tanks lb. .21¾ - .22¾
Corn oil, dist., dms. lb. .15¾ - .17¾
tanks lb. .13¾ - —
Cottonseed oil, dist., dms. lb. .15¼ - .17¼
tanks lb. .13¼ - —
2,3-Cresotic, dms. ton lots, works. lb. .70 - —
less than ton lots, works lb. .72 - —
Cresylic, coaltar dom., 50% 207° C or above, resin and tricresyl phosphate grade, tanks, frt. equald gal. 1.10 - —
50% 210° C. or above, total range over 9° C., non-resin grade, dms., c.l., same basis gal. 1.13 - —
l.c.l., same basis gal. 1.19 - —
tanks, same basis gal. 1.00 - —
50% 204° to 207° C., tricresyl phosphate and resin grade, tanks, same basis gal. 1.20 - —
Imp., 75% at 215°C., or over, dms., ex whse gal. .95 - —
petroleum, dom., 195° to 214°C., non-ret., dms., 65 to c.l., works, San Francisco and Los Angeles gal. .80 - —
l.c.l., same basis gal. .82 - .84
tanks, same basis gal. .65 - —
200° C to 222° C., tanks, Wilmington, Cal lb. .65 - .72
211° C to 237° C., non-ret. dms., c.l., San Francisco and Los Angeles gal. .76 - —
l.c.l., same basis gal. .78 - .80
tanks, same basis gal. .61 - —
220° C. to 242° C., tanks, Wilmington, Cal lb. .62 - 67
245° C. to 295° C., tanks, Wilmington, Cal gal. .50 —
Crotonic fib dms., 200 lbs. or more, contained, works lb. .50 - —
Cyanoacetic, tech., bbls lb. .90 - 1.25
Dichlorophenoxyacetic (see 2,4-D).
Diethylbarbituric (see Barbital).
Diglycolic, bgs., works lb. .14 - —
Dithiodibenzoic, dms., 1,000-lb. lots, works lb. 1.45 - —
2-ethyl hexoic, dms., c.l., dlvd lb. .36½ - —
l.c.l. dlvd. lb. .37½ - —
tanks, dlvd lb. .34½ - —
F, crude, paste, bbls., works lb. 2.10 —
Folic, bots, fib cns, kilo-lots or more gram. 1.40 - —
Formic, 85%, cbys., c.l., works lb. 1570 - —
l.c.l., works lb. .1620 - .1720
90%, cbys., c.l., works lb. .1625 - —
l.c.l. works lb. .1675 - .1775
Fumaric, tech., bgs., dms., c.l., frt. alld. E lb. .25½ - —
l.c.l., same basis lb. .26½ - —
Gallic, NF VII, bbls. 1,000-lb lots lb. 1.80 - —
smaller lots lb. 1.82 - 2.00
tech., bbls., 1,000-lb lots lb 1.58 - —
smaller lots lb. 1.82 - 2.00
Gamma, dry, grd. bbls., frt. alld. lb. 1.50 - —
paste, bbls., frt. allo lb 1.45 - —
Gentisic, 100-lb fib dms lb 8.50 - —
Gluconic, tech., 50% bots lb. .25 .35
cbys. lb. .19 - —
dms. lb. .15½ - —
l-Glutamic, 99½% fib dms., 100-lb. lots, works lb. 2.00 - —
25-lb. lots, works lb. 2.05 - —
Glycerophosphoric, 35%, dms., works lb 2.25 2.35
Glycolic (see Acid hydroxyacetic).
H, dry, bbls., c.l., works, 100% basis lb. 1.00 - —
l.c.l., same basis lb. 1.02 - —
Hydriodic, 1.50 s.g., cbys lb. 2.94 - —
1.70 s.g., cbys lb. 3.23 - —
Hydrobromic, medicinal, 48%, cbys., dlvd. E lb. .37 - .43
Hydrochloric, anhyd. (see Hydrogen chloride).
18° cbys., c.l., works 100 lbs. 2.50 - —
l.c.l., dlvd. Metropolitan area 100 lbs. 2.90 3.05
tanks, works, frt equald ton.28.00 - —
20° cbys., c.l., works 100 lbs. 2.75 - —
l.c.l., dlvd Metropolitan area 100 lbs. 3.15 - —
tanks, works, frt. equald ton.30.00 - —
22°, cbys., c.l., works 100 lbs. 3.25 - —
l.c.l., dlvd Metropolitan area 100 lbs. 3.65 - —
tanks, works, frt. equald ton.35.00 - —
CP, USP, consumers, cbys., extra c.l., works lb. .11¾ - —
l.c.l., same basis lb. .13¼ - .13¾
5-pint bots., extra, cs., c.l., same basis lb. .16¾ - —
l.c.l., same basis lb. .18¼ - .19¼
Acid, hydrochloric, CP, USP, prices to dealers 1½c. per lb. less.
Hydrocyanic, cyls. frt alld lb. .75 - 95
dilute, NF, 2%, 5-lb. bots lb. .40 - —
Hydrofluoric, anhyd. (see Hydrogen fluoride).
aqueous, tanks, works lb. .21 - —
70%, steel, dms., works lb. .18½ - .22½
Hydrofluosilicic, dms., works, 30% basis lb. .06 - —
Hydroxyacetic, tech., 70%, non-ret. bbls., Phila., 100% basis lb. .136 - —
tanks, Belle, W. Va., 100% basis lb. .095 - —
Hypophosphorus, purif., 50%, cbys lb. 1.30 - 1.32
USP, cbys. lb. .88 - —
Isonicotinic, 100-lb. fib. dms., works lb. 5.00 - —
Hydrazide (see Isoniazid).
Itaconic, fib. dms., c.l., works lb. .59 - —
l.c.l., works lb. .60 - —
J, paste bbls., works, 100% basis. lb. 2.45 - —
powd., bbls., same basis lb. 2.50 - 2.85
Koch, bbls., frt. alld., 100% basis. lb. 1.00 - —
L, bbls., works lb. 1.25 - —

Abbreviations

Used in OPD Market Quotations

alld.	allowed	distr.	distributor	NNR	New and Nonofficial Remedies
amorph.	amorphous	djns.	demijohns		
AMP	American melting point	dlvd.	delivered	No.	number
		dms.	drums	nom.	nominal
anhyd.	anhydrous	dom.	domestic	o-	ortho
a.p.a.	available phosphoric acid	E.	east	ord.	ordinary
		e.p.	end point	oz.	ounce
approx.	approximately	equald.	equalized	p-	para
artif.	artificial	exp.	expressed	Pac.	Pacific
ASTM	American Society for Testing Materials	F.	fahrenheit	pf.	proof
		ferment.	fermentation	phos.	phosphate
		f.f.a.	free fatty acid	photo.	photographic
Atl.	Atlantic	f.f.c.	free from chlorine	pkgs.	packages
Be.	Baume			powd.	powdered
bbls.	barrels	fib.	fiber	precip.	precipitated
bgs.	bags	f.o.b.	free on board	prod.	producer
bls.	bales	f.p.a.	free of prussic acid	pt.	point
bots.	bottles			pulv.	pulverized
b.p.	boiling point	frt.	freight	purif.	purified
b.p.l.	bone phosphate of lime	gal.	gallon	redist.	redistilled
		gran.	granular	refd.	refined
b.r.	boiling range	grd.	ground	refy.	refinery
bxs.	boxes	i.&a.	iron and aluminum	reg.	regular
C.	centigrade			resub.	resublimed
cbys.	carboys	i.b.p.	initial boiling point	ret.	returnable
CD	completely denatured			SD	specially denatured
		imp.	imported		
c.i.f.	cost, insurance, freight	incl.	included	s.d.	single distilled
		indust.	industrial	S. E.	southeast
cks.	casks	kgs.	kegs	sec.	secondary
c.l.	carlots	l-	laevo	secs.	seconds
cns.	cans	lacq.	lacquer	s.g.	specific gravity
coml.	commercial	lb.	pound	ship't	shipment
conc.	concentrated	l.c.l.	less than carlots	soln.	solution
CP	chemically pure	l.t.l.	less truckload	s.u.	standard unit
		liq.	liquid	syn.	synthetic
cps.	centipoises	mfrs.	manufacturers	tanks.	railroad tankcars
cryst.	crystal	m-	meta	tech.	technical
cs.	cases	m.a.p.	mixed aniline point	tert-	tertiary
ctns.	cartons			t.l.	truck loads
cyls.	cylinders	min.	minimum	t.w.	tank wagons
d-	dextro	m.p.	melting point	USP	U. S. Pharmacopoeia
dbl.	double	N-	nitrogen	vis.	viscosity
denat.	denatured	n-	normal	VM&P	varnish makers & painters
dest-dist.	destructive-distilled	nat.	natural		
		neut.	neutral	W.	west
dl-	dextro-laevo	NF	National Formulary	whse.	warehouse
dist.	distilled			w. w.	water-white

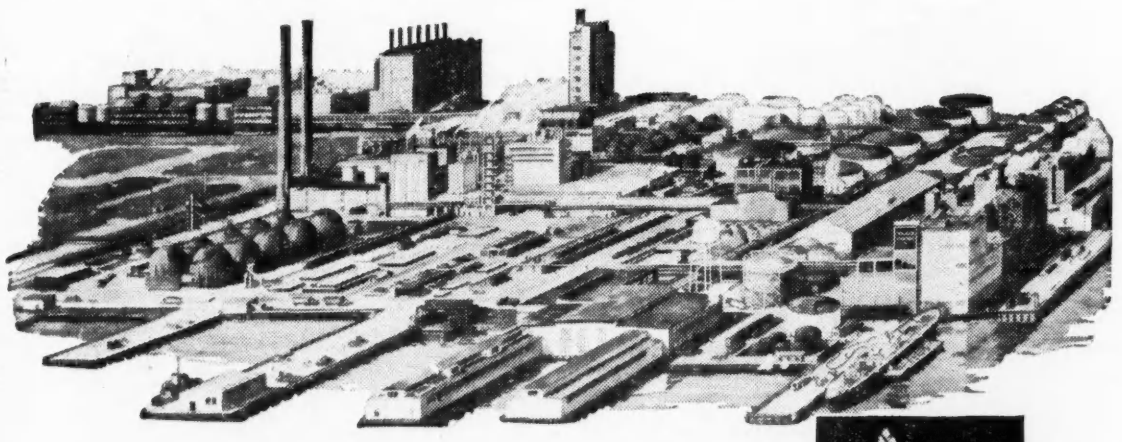
A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown gives the price of 2,000 pounds of the material.

Acid, lactic, edible, 50%, bbls., 20 or more lb. .1754- .215
smaller lots lb. .1854- .225
80%, bbls., 5 or more lb. .3054- .37
smaller lots lb. .3104- .375
plastic grade 50%, bbls., 20 or more, works lb. .23 - —
1 to 19 lb. .235 - —
80%, bbls., 5 or more lb. .385 - —
tech., 22%, bbls., c.l., works 100 lbs 6.30 - —
l.c.l., works 100 lbs 6.70 - —
cbys., l.c.l., works 100 lbs 12.20 - —
44%, bbls., c.l., works 100 lbs 11.45 -11.95
t.c.l., works 100 lbs 11.85 -12.35
USP, 85%, cbys. lb. .85 - .88
Laurent's, bbls lb. .60 - —
Lauric, 90%, dms lb. .25½- .37½
Linseed oil, dist., dms lb. .2180- —
w.w., dms. lb. .2480- —
Maleic, cryst., powd. dms lb. .37 - .38
Malic, tech., dms lb. .50 - —
Mandelic, NF dms., 1,000-lb. lots lb 2.35 - —
smaller lots lb 2.40 - 2.50
Metanilic, dms., works lb. .57 - .75
Methacrylic, glacial, 98%, dms., truckloads, works lb. .54½- —
smaller lots, works lb. .55 - —
Molybdic, 85%, dms., works lb. 1.15 - —
Monochloroacetic, purif. (see Acid, Chloroacetic mono-).
Muriatic (see Acid, hydrochloric).
Myristic, dms lb. .25 - .27

Acid, 1-Naphthol-4-sulfonic (see Acid, Neville and Winthers).
1-Naphthol-5-sulfonic (see Acid, L).
1-Naphthol-5-sulfonic, 8-amino (see Acid, S).
1-Naphthol-3,6-disulfonic, 8-amino (see Acid, H).
2-Naphthol-6,8-disulfonic (see Acid, Gamma).
5-Naphthol-7-sulfonic, 2-amino (see Acid, J).
Naphtholsulfonic, mixed (see Acid, Cleve's).
1-Naphthylamine-5-sulfonic (see Acid, Laurent's).
2-Naphthylamine-4,8-disulfonic (see Acid, Cassella).
2-Naphthylamine-6-sulfonic (see Acid, Broenner's).
2-Naphthylamine-7-sulfonic (see Acid, F).
2-Naphthylamine-1-sulfonic (see Acid, Tobias).
Neville and Winther's, dms., frt. alld lb. 1.20 - —
Nicotinic, USP, dms., dlvd kilo. 8.00 - 8.30
Amide, USP (see Nicotinamide)
Nitric, 36° Be, cbys., c.l., works, E 100 lbs. 5.75 - —
l.c.l., works, E 100 lbs. 6.05 - 6.85
38° Be, cbys., c.l., works, E. 100 lbs. 6.25 - —
l.c.l., works, E 100 lbs. 6.55 - 7.35
40° Be, cbys., c.l., works, E. 100 lbs. 6.75 - —
l.c.l., works, E 100 lbs. 7.05 - 7.85
42° Be, cbys., c.l., works, E. 100 lbs. 7.25 - —
l.c.l., works, E 100 lbs. 7.55 - 8.35
58.5 to 68% HNO_3, tanks, works, 100% basis 100 lbs. 3.90 - —
94½ to 95½% HNO_3, tanks, works, 100% basis 100 lbs. 4.90 - —

Acid, nitric, CP, NF, consumer, cbys., extra, c.l., works lb. .13½- —
l.c.l., same basis lb. .11¼- .11¾
5-pt. bots., extra, cs., c.l., same basis lb. .17½- —
l.c.l., same basis lb. .14¾- .20¾
p-Nitrobenzoic, dms., c.l., works lb. .72 - —
l.c.l., works lb. .73 - —
Oleic, s.d., dms. lb. .18 - .20
tanks lb. .16 - —
dbl. dist. (white), dms. lb. .20 - .22
tanks lb. .18 - —
Oleum (see Acid, sulfuric, fuming).
Orthochlorobenzoic (see Acid, o-Chlorobenzoic).
Orthocresotinic (see Acid, 2,3-Creosotic).
Oxalic, bbls., c.l., works lb. .16½- —
10,000-lb. lots, works lb. .16¾- —
smaller lots, works lb. .17¾- —
b-Oxynaphthoic, fib. dms., 250 lbs. or more, frt. alld lb. 1.14 - 1.17
Palm, dist., dms. lb. .14¼- .16¼
tanks lb. .12¼- —
Para-aminobenzoic (see Acid, p-Aminobenzoic).
Para-aminosalicylic (see Acid, p-Aminosalicylic).
Parachlorobenzoic (see Acid, p-Chlorobenzoic)
Paramethylphenylcinchonic (see Neocinchophen)
Paranitrobenzoic (see Acid, p-Nitrobenzoic)
Paratoluidinmetasulfonic (see Acid, p-Toluidine m-sulfonic)
Phenylacetic, pure, cryst. cns. lb .75 - 1.70
Phenylcinchoninic (see Cinchophen).
Phenylglycolic (see mandelic).
Phosphoric, food grade, 75%, cbys., c.l., frt. alld, E 100 lbs. 6.75 - —
l.c.l., works 100 lbs. 7.00 - 8.00
tanks, works 100 lbs. 5.35 - —
80%, cbys., c.l., frt. alld, 100 lbs. 7.60 - —
l.c.l., works 100 lbs. 7.85 - 9.10
NF, 85%, cbys., c.l., works lb. .0825- —
l.c.l., works lb. .0850- .0975
tanks, works lb. .0640- —

Acid, picric, NF, bbls lb. .60 - —
tech., bbls lb. .34 - .35
Propionic, syn., pure, dms., c.l., frt. alld lb. .22¾- —
l.c.l., frt. alld lb. .23¾- —
tanks, frt. alld lb. .20¾- —
Pyrogallic, NF, (see Pyrogallol).
tech., bbls lb. 2.76 - 2.99
Ricinoleic (see Acid, castor oil, split).
S., bbls., works lb. 3.25 - —
Salicylic, crude, fib. dms., c.l., frt. alld lb. .35 - —
l.c.l., frt. alld. on 100 lbs. or more lb. .36 - —
sublimed, tech., fib. dms., c.l., dlvd lb. .37 - —
l.c.l., dlvd. lb. .41 - —
USP, cryst., fib. dms lb. .48 - —
powd., fib. dms lb. .55 - —
Sebacic, purif., dms., c.l., works lb. .59 - —
l.c.l., works lb. .61 - .65
Soybean oil, dbl. dist., dms. lb. .17¾- .19¾
tanks lb. .15¾- —
s.d., dms. lb. .16¼- .18¼
tanks lb. .14¼- —
Stearic, dbl. pressed, bgs. lb. .14¾- .16¾
single pressed, bgs. lb. .14¼- .16¼
triple pressed, bgs. lb. .17 - .19
Succinic, purif., cryst., bbls., works lb. .62 - .75
Sulfanilic, tech., dms., c.l., frt. alld lb. .19 - —
l.c.l., frt. alld lb. .21 - —
Sulfuric, 60° Be, cbys., c.l., works 100 lbs. 2.00 - —
t.c.l., works 100 lbs. 2.45 - —
tanks, works ton 18.60 - —
66° Be, cbys., c.l., works, 100 lbs. 2.25 - —
t.c.l., works 100 lbs. 2.55 - 3.35
tanks, works ton 22.35 - —
98%, tanks, works ton 23.50 - —
99-100%, tanks, works ton 23.95 - —
CP, NF, consumers, cbys., extra, c.l., works, frt. equald lb. .09¾- —
l.c.l., same basis lb. .11¼- .11¾
5-pt. bots., extra cs., c.l., works, frt. alld lb. .13¼- —
l.c.l., same basis lb. .14¾- .20¾
fuming (oleum), 20%, tanks, works ton 25.00 - —
40%, tanks, works ton 29.00 - —
65%, tanks, works ton 39.50 - —
Tallow, dist., dms. lb. .14¾- .16¾
tanks lb. .12¾- —
hydrogenated, dms. lb. .13¾- .15¾
Tannic, NF, fluffy, bbls., 1,000-lb. lots lb. 2.05 - —
smaller lots lb. 2.06 - 2.10
powd., bbls., 1,000-lb. lots lb. 1.95 - —
smaller lots lb. 1.96 - 2.01
tech., dms lb. 1.05 - —
Tartaric, USP, dom., 230 or 250-lb. dms., c.l. lb. .47 - —
10,000-lb. lots, 1 shipt lb. .47½- —
smaller lots lb. .48 - —
100-lb. dms. lb. .49 - —
imported lb. .39½- .40
Thioglycolic, refd., cbys., 100% basis lb. 1.35 - 1.55
Thiosalicylic, purif., dms., 1,000-lb. lots, works lb. 4.00 - —
Tobias, bbls., frt. alld lb. .81 - —
Toluenesulfonic, dms., c.l., works, lb. .16 - —
l.c.l., works lb. .17½- —
p-Toluene sulfonic, monohydrate, dms., c.l., or t.l. lb. .90 - —
125 lbs. to t.l. lb. 1.00 - —
p-Toluidine-m-sulfonic, bbls., works lb. .92 - 1.04
Trichloroacetic, bots. lb. 2.00 - 2.50
Trichlorophenoxyacetic (see 2,4,5-T).
Tungstic, tech., kgs., works lb. 4.25 - —
Undecylenic, dms. lb. 1.40 - —
Aconite root, bls. lb. .50 - .55
Acrolein, tech., dms., c.l., works lb. .47 - —
l.c.l., works lb. .47½- —
tanks, works lb. .46 - —
Acrylonitrile, dms., c.l., t.l., works, lb. .30 - —
l.c.l., l.t.l., works lb. .31 - —
tanks, works lb. .27 - —
ACTH, cryst., bulk, 1,000 units/gram, bots gram 15.00 - —
Adeps lanae (see Lanolin).
Adrenocorticotropic hormone (see ACTH).
Agar, USP, Kobe No. 1, strip, bls. lb. 3.00 - 3.25
powdered, 30 mesh, fib., dms lb. 3.40 - 3.50
dl-Alanine, dms., works lb 8.50 -11.00
Albumin, blood, dark (see Blood, dried, soluble).
light, dms. lb. .65 - .90
Egg, edible, cryst., powd., bbls. lb. 2.24 - 2.26
flake lb. 2.20 - 2.22
tech., cryst., bbls lb. .83 - .90
Alcohol, allyl, dms., c.l., dlvd lb. .32 - —
l.c.l., dlvd lb. .33 - —
tanks, dlvd lb .30 - —
Amyl, ex fusel oil (see Fusel oil, refd.)
ferment., refd., 128°132°, dms., l.c.l., dlvd lb. .43 - —
ACS grade, dms., c.l., dlvd lb. .45 - —
ex-pentane, mixed, amyls, dms., c.l., frt. alld lb. .17½- —
l.c.l., frt. alld lb. .18½- —
tanks, frt. alld lb. .15½- —
primary, dms., c.l., frt. alld, lb. .19¼- —
l.c.l., frt. alld lb. .20¼- —
tanks, frt. alld lb. .17¼- —
sec-synthetic, dms., c.l., works, frt. alld lb. .18½- —
l.c.l., works lb. .19½- —
tanks, works lb. .16½- —
tert-synthetic, dms., c.l., frt. alld, E lb. .17½- —
l.c.l., frt. alld E lb. .18½- —
tanks, frt. alld E lb. .15½- —
1-pentanol, (syn. normal), dms., c.l., works lb. .42 - —
l.c.l., works lb. .43½- —
tanks, works lb. .40 - —
2-pentanol, dms., c.l., works lb. .65 - —
l.c.l., works lb. .70 - —
tanks, works lb. .60 - —
Benzyl, NF, dms lb. .64 - .79
tech., dms., dlvd lb. .47½- .49
n-Butyl, ferment., dms., c.l., frt. alld lb. .15½- —
l.c.l., frt. alld lb. .16½- —
tanks, frt. alld lb. .13½- —
n-synthetic, dms., c.l., dlvd lb. .15½- —
l.c.l., dlvd lb. .16½- —
tanks, dlvd lb. .13½- —
sec-synthetic, dms., c.l., dlvd. lb. .13½- —
l.c.l., dlvd lb. .14½- —
tanks, dlvd lb. .11½- —
tert-synthetic, dms., c.l., frt. alld. lb. .14 - —
l.c.l., frt. alld lb. .15 - —
tanks, frt. alld lb. .12 - —
Capryl, 95%, dms., c.l., works lb. .21½- —
l.c.l., works lb. .22½- .23¼
tanks, works lb. .19½- —
Cetyl, extra, fib. cns., 500-lb lots or more lb. .65 - .72
NF, fib. cns., 140-lb lots or more lb. .68 - —
Cinnamic, bots lb. 2.15 - 2.75
Decyl mixed isomers, dms., c.l., dlvd lb. .23 - —
l.c.l., dlvd. lb. .24 - —
tanks, dlvd. lb. .21 - —
normal (see 1-Decanol).



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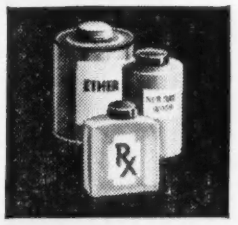

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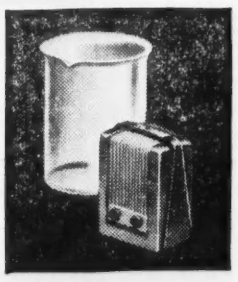

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Alcohol, denat. CD12, CD13, CD14, CD17; dms., c.l., dlvd. E. of Rockies	gal.	.56½	—
l.c.l., same basis	gal.	.61½	.67½
tanks, dlvd. same basis	gal.	.43½	—
Tankcar sales require written authorization by Alcohol and Tobacco Tax Div.			
Proprietary solvent, dms., c.l., dlvd. E. of Rockies	gal.	.59	—
l.c.l., same basis	gal.	.63	.69
tanks, same basis	gal.	.45	—
Tankcar sales require written authorization by Alcohol and Tobacco Tax Div.			
SD1, dms., c.l., dlvd. E. of Rockies	gal.	.57½	—
l.c.l., same basis	gal.	.62½	.68½
tanks, same basis	gal.	.44½	—
SD2B, dms., c.l., dlvd. E. of Rockies	gal.	.56	—
l.c.l., same basis	gal.	.61	.67
tanks, same basis	gal.	.43	—
SD3A, dms., c.l., dlvd. E. of Rockies	gal.	.55	—
l.c.l., same basis	gal.	.60	.66
tanks, same basis	gal.	.42	—
SD23A, dms., c.l., dlvd. E. of Rockies	gal.	.57½	—
l.c.l., same basis	gal.	.62½	.68½
tanks, same basis	gal.	.44½	—
SD23H, dms., c.l., dlvd. E. of Rockies	gal.	.58	—
l.c.l., same basis	gal.	.63	.69
tanks, same basis	gal.	.45	—
SD29, dms., c.l., dlvd. E. of Rockies	gal.	.56½	—
l.c.l., same basis	gal.	.61½	.67½
tanks, same basis	gal.	.43½	—
SD30, dms., c.l., dlvd. E. of Rockies	gal.	.55	—
l.c.l., same basis	gal.	.60	.66
tanks, same basis	gal.	.42	—
SD33A, dms., c.l., dlvd. E. of Rockies	gal.	.58	—
l.c.l., same basis	gal.	.63	.69
tanks, same basis	gal.	.45	—
SD40, dms., c.l., dlvd. E. of Rockies	gal.	.56	—
l.c.l., same basis	gal.	.61	.67
tanks, same basis	gal.	.43	—
West coast dlvd. prices are the same as eastern prices, except in Idaho, Montana, Oregon and Washington, where a 5c. differential on tankcars is maintained.			
Diacetone, acetone-free, dms., c.l., dlvd.	lb.	.14	—
l.c.l., dlvd	lb.	.15	—
tanks, dlvd	lb.	.12	—
tech., dms., c.l., dlvd	lb.	.13½	—
l.c.l., dlvd	lb.	.14½	—
tanks, dlvd	lb.	.11½	—
Ethyl 190 pf., USP, tax paid, dms., c.l., dlvd. E. of Rockies	gal.	20.50	—
l.c.l., same basis	gal.	20.55	-20.61
tanks, same basis	gal.	20.37	—
tax free, dms., c.l., dlvd. E. of Rockies	gal.	.55	—
l.c.l., same basis	gal.	.60	.66
tanks, same basis	gal.	.42	—
Absolute, 200 pf., tax paid, dms., dlvd. E. of Rockies	gal.	21.60	—
l.c.l., same basis	gal.	21.65	-21.71
tanks, same basis	gal.	21.47	—
2-Ethylbutyl, dms., c.l., works	lb.	.29½	—
l.c.l. works	lb.	.30	—
tanks, works	lb.	.23	—
2-Ethylhexyl, dms., c.l., dlvd. E.	lb.	.23¾	—
l.c.l., same basis	lb.	.24¾	—
tanks, same basis	lb.	.21¾	—
Furfuryl, cns., works	lb.	.29	—
dms., c.l., Cedar Rapids, Ia	lb.	.21	—
Newark, N. J.	lb.	.21½	—
l.c.l. Cedar Rapids, Ia.	lb.	.22	—
Newark, N. J.	lb.	.22½	—
tanks, Memphis, Tenn	lb.	.184	—
Hydroabietyl, tech., solid, Zone 1, dms., c.l., dlvd	lb.	.27	—
l.c.l., dlvd	lb.	.27½	—
tanks, dlvd	lb.	.25	—
Isoamyl, dms., c.l., works, frt. alld. E	lb.	.34	—
l.c.l., same basis	lb.	.35	—
tanks, same basis	lb.	.32	—
Isobutyl, dms., c.l., dlvd	lb.	.14½	—
l.c.l., dlvd	lb.	.15½	—
tanks, dlvd	lb.	.12½	—
Iso-octyl, dms., c.l., dlvd. E	lb.	.23	—
l.c.l., dlvd E	lb.	.24	—
tanks, dlvd. E	lb.	.21	—
Isopropyl, refd., 91%, dms., c.l., dlvd.	gal.	.50	—
l.c.l., dlvd	gal.	.57	—
tanks, dlvd	gal.	.37	—
95%, c.l., dlvd	gal.	.52	—
l.c.l., dlvd	gal.	.59	—
tanks, dlvd	gal.	.39	—
99%, dms., c.l., dlvd	gal.	.54	—
l.c.l., dlvd	gal.	.61	—
tanks, dlvd	gal.	.41	—
Lauryl, bots	lb.	2.00	- 2.50
Methyl (see Methanol).			
Methylamyl (see Methyl isobutyl carbinol).			
Octyl, perfumer's grade, bots	lb.	1.73	- 3.25
tech. (see Octanol, normal).			
2-Phenylethyl, extra, dms	lb.	1.14	- 1.43
standard, dms	lb.	1.16	- 1.48
n-Propyl, dms., c.l., dlvd	lb.	.12½	—
l.c.l., dlvd	lb.	.13½	—
tanks, dlvd	lb.	.10½	—
Tetrahydrofurfuryl, cns., Cedar Rapids, Iowa	lb.	.54	—
dms., c.l., Niagara Falls, N. Y.	lb.	.44½	—
l.c.l., Newark, N. J., Cedar Rapids, Ia	lb.	.47	—
tanks, Niagara Falls, N. Y.	lb.	.43	—
Indust. grade, dms., c.l., Niagara Falls, N. Y.	lb.	.305	—
l.c.l., Newark, N. J., Cedar Rapids, Ia	lb.	.33	—
tanks, Niagara Falls, N. Y.	lb.	.29	—
Tridecyl, mixed isomers, dms., dlvd	lb.	.26	—
l.c.l., dlvd	lb.	.27	—
tanks, dlvd	lb.	.24	—
Wood (see Methanol).			
Aldol, 95%, dms., works	lb.	.23	—
denaturing grade, dms	gal.	2.15	—
Aldrin, tech., fib. dms., c.l., t.l., dlvd	lb.	.80	—
l.c.l., dlvd	lb.	.85	—
Aletris root, bgs	lb.	1.75	- 1.85
Algin (see Sodium alginate).			
Alizarine (see 1,2-dihydroxy anthraquinone).			
Allethrin, 90%, dms. frt. alld	lb.	28.80	-28.90
soln., 20%, dms., 200-2,000 lb. lots, frt. alld	lb.	6.50	- 6.53
2½%, dms., frt. alld	lb.	.95	- 1.00
Allspice (see Pimento).			
Allyl bromide, cbys., works	lb.	1.35	- 1.40
Chloride, dms., c.l., dlvd	lb.	.17	—
l.c.l., dlvd	lb.	.18	—
tanks, dlvd	lb.	.15	—
Starch, solid, dms., works	lb.	.52¾	-.54¼
solution, 40%, toluol-butanol, dms., works	lb.	.25½	-.26¼
Aloe, Cape, cs	lb.	.45	-.48
powd., cs	lb.	.50	—
Curacao, kgs	lb.	.50	- .55
Aloin, USP, bbls., dms., kgs	lb.	3.75	- 3.82
Alphanaphthol (see a-Naphthol).			
Alphanaphthylamine (see a-Naphthylamine).			
Alphanitronaphthalene(see a-Nitronaphthalene).			
Alphapicoline (see a-Picoline).			
Alphaterpineol (see a-Terpineol).			
Alphatocopherol (see a-Tocopherol).			
Alum, ammonium, gran., bgs., works	100 lbs.	4.30	—
lump, dms., works	100 lbs.	5.05	—
powd., dms., works	100 lbs.	5.20	—
Alum, ammonium, USP, burnt, dms	lb.	.20	- .21
hydrous, dms	lb.	.07¾	- .08
Potassium, gran., bgs., works	100 lbs.	4.55	—
lump, dms., works	100 lbs.	5.30	—
powd., dms., works	100 lbs.	5.45	—
USP, burnt, dms	lb.	.20	- .21
hydrous, dms	lb.	.07¾	- .08
Potash-chrome, dms	lb.	.17	—
Sodium, dms., c.l., works	100 lbs.	4.60	—
l.c.l., works	100 lbs.	5.00	—
Alumina, calcined, bgs., c.l., works	lb.	.0423	—
l.c.l., works	lb.	.045	- .0725
Aluminum acetate, basic soln., 24%, bbls., i.c.l., works	lb.	.14	—
Chloride, coml., anhyd., dms., c.l., works, frt. equald	lb.	.15½	—
l.c.l., works, frt. equald.	lb.	.16	—
cryst., dms., c.l., works	lb.	.1450	—
l.c.l., works	lb.	.1500	—
soln., 32°, cbys., c.l., works	lb.	.0445	—
l.c.l., works	lb.	.0520	-.1295
tanks, works	100 lbs.	3.45	—
NF, gran., dms., works	lb.	.29	- .30
Fluoride, tech., anhyd., bgs., c.l., works	lb.	.15¾	—
l.c.l., works	lb.	.16¾	- .18¾
Aluminum fluoride in fib. dms. 0.35c. per lb. higher.			
Formate, basic soln., dms., c.l., works	lb.	.12	—
l.c.l., works	lb.	.12½	—
Hydrate, heavy, bgs., c.l., frt. equald	lb.	.0295	—
20,000-40,000 lb. lots, same basis	lb.	.032	—
2,000-20,000 lb. lots, same basis	lb.	.042	—
bulk, same basis	lb.	.027	—
light, bgs., dlvd	lb.	.13	—
Aluminum hydroxide, gel., pharmaceutical, 14-15% Al_2O_3, fib. dms., works	lb.	.22	—
contract, works	lb.	.21	—
9-9½% Al_2O_3, fib. dms., works	lb.	.19	—
contract, works	lb.	.18	—
dried, USP, XIV, fib. dms., works	lb.	.82½	—
contract, works	lb.	.79½	—
tech., powder (see Aluminum hydrate).			
Metal, 99%+, ingots, 10,000-lb. lots, frt. alld	lb.	.2440	—
pigs, 10,000-lb. lots, frt. alld.	lb.	.2250	—
Oxide, amorphous (see Alumina, calcined).			
Paste, lining, extra-fine, dms	lb.	.65½	—
standard grade, dms	lb.	.45½	—
Powder, lining, extra, fine, dms.	lb.	1.05½	—
standard grade, dms	lb.	.75	—
Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs. and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S. a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.			
Aluminum resinate, precip., 2.1% Al, dms., frt. alld	lb.	.30½	—
Stearate, dibasic, ctns., c.l.	lb.	.37	—
l.c.l.	lb.	.38	.42
monobasic, ctns., c.l.	lb.	.37	—
l.c.l.	lb.	.38	.42
tribasic, ctns., c.l.	lb.	.37	—
l.c.l.	lb.	.38	.42
Sulfate, coml., bulk, c.l., works	100 lbs	1.85	—
grd., bgs., c.l., works	ton	37.00	—
lump, bgs., c.l., works	ton	40.00	—
iron-free, bgs., c.l. works, frt. equald	100 lbs	3.55	—
l.c.l., works, frt. equald.	100 lbs	3.95	—
Prices $1 per ton higher in the south.			
USP, gran., dms., works	lb.	.16	.18
powd., dms., works	lb.	.36	.37
Trihydrate, heavy (see Aluminum hydrate, heavy).			
Ambergris, gray, bots	oz.	8.00	-10.00
Aminoazotoluene base, bbls., 100% basis	lb.	1.03	- 1.18
Aminoethyl ethanolamine, dms., c.l., dlvd	lb.	.46½	—
l.c.l., dlvd	lb.	.45	—
tanks, dlvd	lb.	.45	—
2-Amino-2-methyl-1-propanol, dms., c.l., frt. alld	lb.	.44	—
l.c.l., frt. alld	lb.	.45	—
tanks, frt. alld	lb.	.42	—

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● For industry's continuing fight against rust, Pfizer offers these proven products:

CITRIC ACID. An important chemical in many metal cleaning pastes and liquid formulations for both home and industrial use. Solutions of citric acid, partially neutralized with ammonia, are excellent rust and scale removers. Their use results in the least possible loss of metal. Moreover, citric acid has an extremely low order of toxicity.

AMMONIUM CITRATE DIBASIC. A dry product for rust and scale removal with the same characteristics as the citric acid solutions partially neutralized with ammonia. It is of particular interest to manufacturers who market packaged home cleaners.

OXALIC ACID. Because Pfizer oxalic acid solubilizes iron oxide, it is the chief ingredient in radiator cleaning compounds. Combined with a wetting agent, oxalic acid solutions also find extensive use in washing railway cars and locomotives.

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#61, Chemicals for Metal Finishing ☐

#34, Oxalic Acid ☐

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m-Aminophenol, dist., dms., ton lots, lb. 2.05 - —
smaller lots lb. 2.50 - —
p-Aminophenol, dms., frt. alld lb. 1.15 - —
Aminophylline, USP, 100-lb. dms lb. 3.55 - —
Ammonia anhyd. fertilizer, tanks, works, frt. equald ton 85.00 - —
refrigeration, tanks works, frt. equald ton 87.50 - —
aqueous (29.4% NH_3), dms., c.l., dlvd Metropolitan area 100 lbs .3.60 - —
l.c.l., works 100 lbs 4.00 - —
tanks, works, anhyd. basis ton 88.00 - —
Ammoniacal liquor (see Ammonia, aqueous).
Ammoniac, sal, gray, bgs., c.l., works, frt equald 100 lbs 8.25 —
l.c.l., same basis 100 lbs. 8.65 -11.15
white gran. (see Ammonium chloride, tech.).
Ammonium acetate, purif., dms lb. .38 - —
Benzoate USP dms., kgs. 4,000-lb. lots frt. alld lb. .80 - —
smaller lots, frt. alld lb. .81 - 1.08
Biborate, gran., dms., c.l., works, ton 319.50 - —
ton lots, ex whse ton 395.00 - —
smaller lots, ex whse ton 400.00 - —
Bicarbonate dom., dms., c.l., works, 100 lbs. 6.50 - —
l.c.l., works 100 lbs. 8.00 - —
tmp. dms l.c.l. lb. .07¼- .08½
Bichromate, dms., works lb. .42 - .43
Bifluoride, dms., dlvd lb. .2145- .2245

Ammonium bromide, NF, gran., bbls. lb. .40 - —
Powdered ammonium bromide 10c per lb. higher.
Carbonate, USP, lump, dms lb. .16 - —
Chloride, tech., white, gran., fines, bgs., c.l., works 100 lbs. 5.25 - —
l.c.l., works 100 lbs. 7.00 - —
USP, gran., bbls., dms lb. .17¼- —
Citrate, dibasic, bbls lb. .77 - —
Dichromate (see Ammonium bichromate).
Fluoride (see Ammonium bifluoride).
Hydroxide (see Ammonia aqueous).
Hypophosphite, NF, dms lb. 3.07 - —
Iodide, NF, dms., bots lb. 4.26 - 4.38
Linoleate, 80%, dms., works lb. .50 - .55
Nitrate dom. fertilizer grade, 33.5% N., bgs., western works frt equald ton 68.00 - —
with dolomite, 20.5%N bgs., Hopewell, Va ton 51.00 - —
tmp., Canadian, 33.5% N., eastern bgs., c.l., ship't point, frt. equald to $8 per ton. ton 70.00 - —
western, bgs., c.l., f.o.b. cars, Los Angeles ton 79.76 - —
Oxalate, fine gran., dms lb. .26½- .31
Pentaborate, gran., bgs., c.l., works ton 187.50 - —
ton lots, ex whse ton 271.50 - —
smaller lots, ex whse ton 276.50 - —
Ammonium pentaborate powder $10 per ton higher.
Persulfate, kgs lb. .38 - .47½

Ammonium phosphate, coml., bgs., c.l., works, frt. equald lb. .09 - —
l.c.l., same basis lb. .0935- —
dibasic, NF, V bbls., dms. lb. .46 - —
tech., bgs., c.l., works, frt. equald lb. .09 - —
l.c.l., same basis lb. .0935- —
Salicylate, NF, dms., kgs lb. 1.62 - 1.64
Silicofluoride, dms., works lb. .11¾- .13¼
Sulfamate, bgs., c.l., t.l., works, lb. .18 - —
l.c.l., works lb. .22 - —
Sulfate coke-oven bulk, producing ovens, base price ton 42.00 -45.00
syn., bulk, c.l., works ton 42.00 -46.00
purif., dms., works lb. .09 - .09½
Sulfide, liq., 40-44%, tanks, frt. equald., 100% basis ton 160.00 - —
Sulfocyanide, tech. (see Ammonium thiocyanate).
Thiocyanate, tech., dms., c.l., works lb. .20 - —
l.c.l. works lb. .22 - .26
Thioglycollate, coml., cbys., 100% basis lb. 1.35 - 1.55
highly purif. chys., 100% basis, lb. 1.70 - 1.96
Thiosulfate cryst., photo grade, fib. dms., frt. alld lb. .65 - —
60% soln. dms. c.l., works lb. .06½- —
d-Amphetamine hydrochloride dibasic, bots. lb. 28.00 - —
dl, dms lb. 6.00 - —
d-monobasic, bots lb. 28.00 - —
d-Phosphate, dibasic, bots lb. 28.00 - —
dl, dms lb. 6.00 - —
d-Sulfate, dms lb. 28.00 - —
dl, dms lb. 6.00 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., frt. alld, E. of Rockies lb. .18 - —
l.c.l., same basis lb. .19 - —
tanks, same basis lb. 15½- —

Amyl acetate, syn., exo process, dms., c.l., dlvd lb. .19¼- —
l.c.l., dlvd lb. .20¼- —
tanks, dlvd lb. .17¼- —
ex pentane, reg., dms., c.l., dlvd lb. .17½- —
l.c.l., dlvd lb. .18½- —
tanks, dlvd lb. .15½- —
tech., dms., c.l., dlvd lb. .15½- —
l.c.l., dlvd lb. .16½- —
tanks, dlvd lb. .13½- —
Alcohol (see Alcohol, amyl).
n-Butyrate, dms lb. .90 - 1.25
Cinnamic, aldehyde, dms lb. 1.75 - 2.20
Nitrite, USP, bots lb. 1.75 - 1.83
Salicylate, cns., dms lb. .74 - 1.05
o-tert-Amyl phenol, dms., c.l., works, lb. .48 - —
l.c.l., works lb. .49 - —
tanks, works lb. .48 - —
p-tert-Amyl phenol, dms. c.l., works, lb. .25¾- —
l.c.l., works lb. .26¾- —
tanks, works lb. .24¾- —
Anethole, NF, cns., dms lb. 1.85 - —
tech., dms lb. 1.10 - 1.15
Angelica root, dom., bls lb. .60 - .70
Aniline oil, dms., c.l., frt. alld lb. .21 - —
l.c.l., frt. alld lb. .22 - —
tanks, frt. alld lb. .20 - —
tankwagons, min. 2,000 gals. lb. .20½- —
Salt, dms., c.l., truckloads, 20,000 lbs., min., frt. alld lb. .31 - —
l.c.l., same basis lb. .33 - —
Anise seed, Mexican, bgs lb. No prices.
Spanish, bgs. lb. .31 - —
Anisic aldehyde, bots., dms lb. 1.80 - 2.70
o-Anisidine, dms., frt. alld lb. .88 - —
p-Anisidine, dms., works lb. .97 - —
Annatto seed, whole, bgs lb. .15 - .17
Anthracene, 90-95% bbls., ton-lots, works lb. .83 - —
smaller lots, works lb. .95 - —
Anthraquinone, 99.5% bbls, c.l., frt. alld lb. .83 - —
l.c.l., same basis lb. .86 - —
electrical grade, bbls., l.c.l., same basis lb. .91 - —
Antimony butter (see Antimony trichloride).
Metal, bulk, c.l., mines lb. .33 - —
cs., c.l., mines lb. .33½- —
Oxide, bgs., c.l., frt. alld lb. .27 - —
l.c.l., frt. alld lb. .28½- —
Sulfide, approx. 65%, bgs., dlvd lb. .23 - .26
Trichloride, anhyd., solid, pails, c.l., works lb. .41 - —
l.c.l., works lb. .43 - —
Antimony-potassium tartrate, tech., powd., dms lb. .65½- .70½
USP, powd., dms lb. .70½- .71½
Antipyrine, NF, 200-lb. bbls lb. 3.50 - —
Apomorphine hydrochloride, USP, bots oz. 23.40 -23.90
Areca nuts, powd., bbls lb. .15 - .16
Arecoline hydrobromide, NF, bots., tins oz. 4.50 - 6.00
l-Arginine monohydrochloride, dms. 1 kilo lots kilo. 74.80 - —
Arnica flowers (true montana), bls. lb. No prices.
Arsenic metal, lump, bbls. ex whse. lb. .54 - —
Trioxide, USP, dms lb. .48 - —
White, powd., bbls., c.l., dlvd lb. .05½- —
l.c.l., dlvd lb. .06½- .07¼
Asafetida, cs lb. .36 - .39
powd., bbls., dms lb. .50 - .53
Asbestine (see Talc, fibrous, N. Y.)
Asbestos, Canadian, crude, No. 1, c.l. (20 tons), mines ton 1,430.00- —
No. 2, c.l. (20 tons), mines ton 742.50 - —
Run-of-mine, c.l. (20 tons) mines ton 611.60 - —
3K, c.l. (20 tons), mines ton 479.60 - —
3R, c.l., (20 tons), mines ton 408.10 - —
3T, c.l. (20 tons), mines ton 382.80 - —
3Z, c.l. (20 tons), mines ton 353.10 - —
4K, c.l. (20 tons), mines ton 190.30 - —
4M, c.l. (20 tons), mines ton 190.30 - —
4T, c.l. (20 tons), mines ton 171.60 - —
4Z, c.l. (20 tons), mines ton 171.60 - —
5D, c.l. (20 tons), mines ton 134.75 - —
5K, c.l. (20 tons), mines ton 134.75 - —
5M, c.l. (20 tons), mines ton 122.35 - —
5R, c.l. (20 tons), mines ton 115.50 - —
(20 tons), mines ton 115.50 - —
6D, c.l. (30 tons), mines ton 81.90 - —
7D, c.l. (30 tons), mines ton 71.92 - —
7F, c.l. (30 tons), mines ton 68.25 - —
7H, c.l. (30 tons), mines ton 57.75 - —
7K, c.l. (30 tons), mines ton 48.30 - —
7M, c.l. (30 tons), mines ton 42.00 - —
7R, c.l. (30 tons), mines ton 40.95 - —
7RF, c.l. (30 tons), mines ton 42.00 - —
7T, c.l. (30 tons), mines ton 38.85 - —
7TF, c.l. (30 tons), mines ton 42.00 - —
8S, c.l. (30 tons), mines ton 28.35 - —
Asbestos c.l. prices are in U. S. funds, l.c.l. lots $4 per ton higher.
Asphalt, gilsonite, black jet, bgs., c.l., mines ton 37.00 - —
select, 350° F. fusing pt., bgs., c.l., mines ton 38.00 - —
270°-295°F., fusing pt., bgs., c.l., mines ton 37.00 - —
seconds, 300°-390°F. fusing pt., bgs., c.l., mines ton 32.00 - —
Manjak, No. 10, crude, dms., works lb. .06¼- —
Petroleum, cut-back, tanks, tankwagon, refy gal. .09 - —
emulsion, tanks, tankwagon, refy. gal. .09½- —
steam-refd., 50-80 penetration, tanks, tankwagon, refy ton 21.00 - —
85-300 penetration, tanks, tankwagon, refy ton 20.00 - —
Aspirin, (see Acid acetylsalicylic).
Atropine, USP, bots oz. 3.90 - —
Sulfate, USP, bots oz. 2.45 - 2.65

B

Bacitracin, bulk, 1,000,000,000 or more units 50,000 units. .70 - —
less than 1,000,000,000 units. 50,000 units. .75 - —
Balm of Gilead buds, dried, bgs. lb. 1.35 - 1.45
Barberry root bark, bgs lb. .28 - .30
Barbital, USP, 100-lb. dms lb. 4.50 - —
Sodium, USP, dms lb. 4.75 - 4.77
Barium carbonate, precip., bgs., c.l., works ton 100.00 - —
smaller lots, works ton 110.00 - —
Chlorate, kgs., works lb. .32 - .36
Chloride, anhyd., bgs., c.l., works, ton 165.00 - —
l.c.l., works ton 175.00 - —
NF, cryst., dms lb. .20 - —
tech., cryst., dms., c.l., works, 100 lbs. 6.50 - —
l.c.l., works 100 lbs. 7.00 - —
Chromate, bgs., frt. equald lb. .35 - —
Dioxide (see Barium peroxide).
Hydrate, cryst., bgs., c.l., t.l., frt. equald ton 200.00 - —
l.c.l., l.t.l., frt. equald ton 210.00 - —
Monoxide (see Oxide).
Nitrate, bbls., c.l., t.l., dlvd lb. .16 - —
l.c.l., l.t.l., dlvd lb. .17 - —

The Best

Now even Better

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by the world's largest producer of synthetic detergent raw materials

Oronite's continuous multi-million dollar research and product development program scores again with Alkane '56, embodying still further improvements in the leading detergent raw material. Better than ever Alkane '56 may be sulfonated by any conventional method—products derived from it have an even lighter color, less odor—with a very minimum oil content.

If you are considering sulfonation, it will pay you to check with Oronite. We have the experience, plus engineering and manufacturing specialists to accurately estimate your complete needs for sulfonation. Plant designs, equipment needs and prices, performance data, yields—everything you need to know.

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Detergent D-60
Dispersant NI-W
Dispersant NI-O
Dispersant NI-E
Wetting Agent "S"

ORONITE CHEMICAL COMPANY

EXECUTIVE OFFICES: 200 Bush Street, San Francisco 20, California

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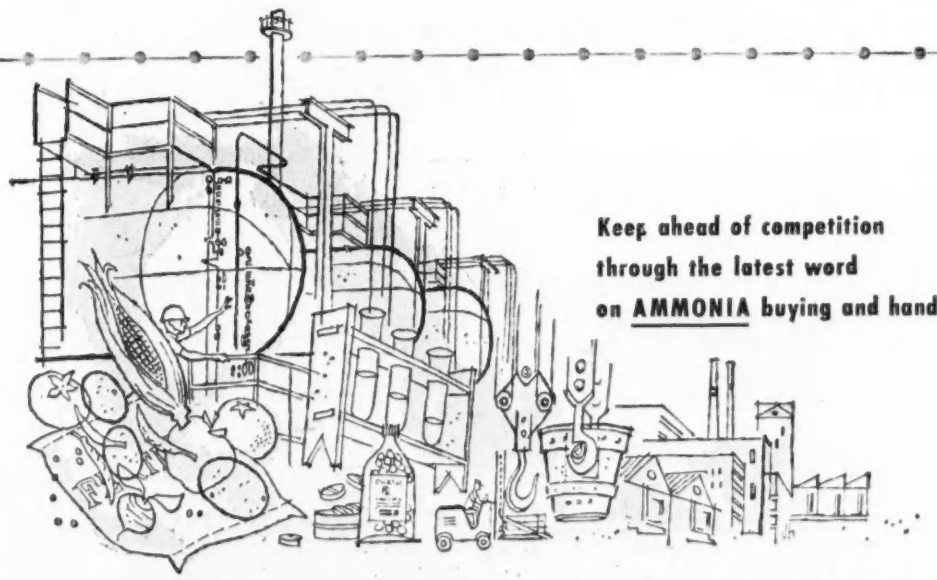
30 Rockefeller Plaza, New York 20, N. Y. — 20 North Wacker Drive, Chicago 6, Illinois
Carew Tower, Cincinnati 2, Ohio — Mercantile Securities Bldg., Dallas 1, Texas
36 Avenue William-Favre, Geneva, Switzerland

Barium oxide, grd., dms., c.l., t.l., frt. equald. ton 275.00 - —
l.c.l., l.t.l., frt. equald. ton 285.00 - —
Peroxide, dms., frt. equald. lb. .20 - —
Stearate, cbns., c.l., frt. alld. lb. .39 - —
l.c.l., same basis lb. .40 - .44
Sulfate, tech. (see Barytes and blanc fixe).
X-ray, dms. lb. .15 - .15½
Sulfide, dms., c.l., works. ton 85.00 - —
l.c.l., works ton 95.00 - —
Barytes, Southern, off-color, bgs., mines ton 25.00 - —
95-75%, bgs., mines ton 25.00 - —
water-grd., paper bgs., c.l., E. St. Louis ton 45.00 - —
ex-whse. N. Y. ton 65 10 - —
Bauxite, bulk, mines ton. 6.75 -10 00
Bay leaves (see Laurel leaves).
Belladonna leaf, bls lb. .35 - .37
root, bls lb. .45 - 50
Bentonite, dom., 200 mesh, bgs., c.l., mines ton 14.00 - —
imp. Italian, white, high gel., bgs., 5-ton lots, ex whse ton 80.60 - —
1 ton lots, ex whse ton 83.10 - —
tow gel., bgs., 5-ton lots, ex whse ton 78.95 - —
1-ton lots, ex whse ton 81 45 - —
Benzal chloride, cbys., works lb. .44 - —
Benzaldehyde, NF, dms lb. 74 - 1.05
tech., cbys., t.l., dms lb. .43 - —
smaller lots lb. .44 - —
Benzene (See Benzol).
Hexachloride, 25% and 99% gamma isomer (see Lindane)
tech., high gamma, dms., c.l., dlvd., gamma unit-lb. .0075- —
l.c.l., works, gamma unit-lb. .009 - —
low gamma, dms., c.l., dlvd., gamma unit-lb. .007 - —
l.c.l., works, gamma unit-lb. .0085- —
Benzidine hydrochloride, bbls., c.l., frt. alld., 100% basis lb. 1.03 - —
l.c.l., same basis lb. 1.05 - —
Sulfate, tech., frt. alld, 100% basis lb. 1.05 - —
Benzocaine, dms. lb. 3.48 - 3.50
Benzoi, coaltar, pure or nitration, tanks, works:—
Bethlehem, Pa gal. .36 - —
Birmingham district gal. .36 - —
Chicago district gal. .36 - —
Cleveland district gal. .36 - —
Geneva, Utah gal. .36 - —
Johnstown Pa. gal. .36 - —
Luckawanna, N. Y. gal. .36 - —
Lone Star, Texas gal. .36 - —
Lorain, Ohio gal. .36 - —
Middletown, Ohio gal. .36 - —
Minnequa, Colo gal. .36 - —
Philadelphia district gal. .36 - —
Pittsburgh district gal. .36 - —
Sparrows Point, Md. gal. .36 - —
Syracuse, N. Y. gal. .36 - —
Terre Haute, Ind. gal. .36 - —
Youngstown, Ohio gal. .36 - —
Benzophenone, dms. lb. 1.40 - 1.70
Benzotriazole, tech., dms., 1,000-lb. lots, works lb. 2.25 - —
Benzotrichloride, cbys., 1,000-lb. lots or more, frt. equald. lb. .18 - —
smaller lots, frt. equald. lb. .20 - —
Benzoyl chloride, cbys., dms., c.l., works, frt. equald lb. .21 - —
l.c.l., same basis lb. .23 - —
Peroxide, purit., fib. dms., 50 to 1,000-lb. lots, works lb. .98 - 1.08
tank trucks, dlvd. Metropolitan area lb. .21 - —
Benzyl acetate, f.f.c., cns., dms lb. .62 - 1.04
Alcohol (see Alcohol, benzyl).
Benzoate, USP, f.f.c., cns., dms. lb. .62 - 1.10
Chloride, tech., 13-gal. cbys., dms., c.l., works, frt. equald. lb. .23 - —
l.c.l., same basis lb. .24 - —
tank, trucks, dlvd. Metropolitan area lb. .21 - —
A 2½c. differential is quoted on benzyl chloride in 5-gal. cbys. In steel dms. prices were ½c. lower.
Cinnamate, cns lb. 3.60 - 3.99
Dimethylamine, 55-gal. dms., lots, works lb. 2.25 - —
Formate, cns. lb. 1.30 - 2.10
Isoeugenol, cns. lb. 8.60 - 9.10
Propionate, bots. lb. 1.35 - 1.65
Salicylate, bots lb. 1.50 - 1.83
Benzylidine acetone, bots lb. 1.68 - 1.80
Chloride (see Benzal chloride).
Berberine bisulfate, cns lb. 35.00 -36.25
Hydrochloride, bots. lb. 35.00 -36.25
Betagammapicoline (see b.g-Picoline).
Betamethylnaphthalene (see b-Methylnaphthalene)
Betanaphthol (see b-Naphthol).
Betanaphthylamine (see b-Naphthylamine).
Betaphenylethylamine (see b-Phenylethylamine).
BHC (see Benzene hexachloride, technical)
Biotin cryst., bots gram. 10.00 - —
Biphenyl (see Diphenyl).
Bismuth chloride, jars lb. 5.11 - —
Hydroxide, dms. lb. 4.65 - —
Metal, bxs., ton lots lb. 2.25 - —
Nitrate, cryst., dms lb. 2.10 - 2.17
Oxide, anhyd., dms lb. 4.47 - 5.05
Oxychloride, dms. lb. 4.37 - 4.42
Phenolsulfonate, fib. dms. lb. 5.22 - —
Subcarbonate, USP, dms. lb. 3.20 - —
Subgallate, NF, fib. dms. lb. 3.15 - —
Subiodide, fib. dms lb. 5.37 - —
Subnitrate, NF, dms lb. 2.65 - —
Subsalicylate, USP, dms lb. 3.50 - —
Bismuth-ammonium citrate, USP, powd., jars lb. 4.22 - —
Black, acetylene, imp., bgs., c.l., duty and freight extra lb. .17 - —
cs., l.c.l., ex whse lb. .22½- .28
Ash (see Barium sulfide).
Bone, dms., l.c.l., frt. alld. lb. .17 - .23¼
Pacific coast bone black prices 2c. per lb. higher.
Carbon, channel, pigment, high color, beads, ctns., c.l., works. lb. .72 - —
l.c.l., dlvd. or whse. lb. .78 - —
medium color, uncompressed, bgs., c.l., works. lb. .12 - —
l.c.l., dlvd. or whse. lb. .19 - —
rubber, beads, bulk, c.l., works lb. .07 - —
bgs., c.l., works lb. .074 - —
l.c.l., works lb. .1225- —
furnace, fast extruding, bgs., c.l., works lb. .06 - —
ctns., l.c.l., whse lb. .10 - —
high abrasion, bulk, c.l., works. lb. .0750- —
bgs., c.l., works lb. .0700- —
l.c.l., dlvd. or whse. lb. .122 - .125
high modulus, bgs., c.l., works. lb. .0550- —
ctns., l.c.l., whse lb. .0950- —
semi-reinforcing bgs., c.l., works lb. .045 - —
bgs., ctns., l.c.l., whse lb. .085 - —
Charcoal (see C).
Dyes (see Dyes).
Graphite (see G).
Iron oxide, pure, bgs., c.l., works. lb. .13¼- —
l.c.l., works lb. .13½- —
Lamp, bgs., c.l., works lb. .16 - .45
Mineral, bgs., works lb. .0160- .0675
Blackberry root bark, bls lb. .45 - —
Black haw root bark, bls lb. .63 - .65
tree bark, bls lb. .40 - .45
Blanc fixe, dry, byproduct, bgs., c.l., works ton 190.00 - —
l.c.l., works ton 200.00 - —
direct process, bgs., c.l., works. ton 110.00 - —
l.c.l., works ton 120.00 - —
N. Y. whse ton 155.00 - —
Blood, dried, 16-16½% ammonia, bgs unit-ton. 4.75 - —
high-grade, unground, 16-17% ammonia, bgs., Chicago unit-ton. 4.50 - —
soluble, bgs., c.l lb. .13 - .15
l.c.l. lb. .15½- .19½
Bloodroot, bls lb. .43 - .50
Blue, alkali, dry, 250-lb. bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 2.10 - —
toner, 125-lb. bbls., litho flushed, same basis lb. 1.20 - —
Chinese, bbls., c.l., same basis lb. .50 - —
l.c.l., ton lots, same basis lb. .51 - —
smaller lots, same basis lb. .52 - —
Cobalt, genuine, bbls, same basis lb. 4.90 —
Imitation (see Blue, ultramarine).
Dyes (see Dyes).
Iron (see Blue, Chinese Milori, Potash Prussian and Soda)
Methyl, violet toner, molybdated, PMA, bbls., same basis lb. 2.75 - —
tungstated, PTMA, bbls., same basis lb. 4.00 - 4.15
Milori, bbls., c.l., same basis lb. .50 - —
l.c.l., ton lots, same basis lb. .51 - —
smaller lots, same basis lb. .52 - —
Blue, peacock, fugitive, 100% color strength, bbls., same basis, lb. .33 - —
Phthalocyanide, full strength, bbls., same basis lb. 3.45 - —
resinated, bbls., same basis lb. 3.00 - —
water dispersable, bbls., same basis lb. 1.54 - —
Potash, CP, bbls., same basis lb. .56 - —
Prussian, insoluble, soluble, bbls., c.l., same basis lb. .50 - —
l.c.l., ton lots, same basis lb. .51 - —
smaller lots, same basis lb. .52 - —
Soda, CP, bronze, bbls., c.l., same basis lb. .50 - —
l.c.l., ton lots, same basis lb. .51 - —
smaller lots, same basis lb. .52 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis lb. .30½ .35
jobbing types, bbls., same basis. lb. .19 - —
regular types, dry, bbls., same basis lb. .22½- .35
Victoria toner, molybdated, PMA, bbls lb. 4.10 - —
tungstated, PTMA, bbls lb. 5.35 - —
Blue dry colors, dlvd prices ½c higher Ala., Fla., Ga., La. (Shreveport 1½c.), Miss., N. C., S. C., Tenn., Tex. (El Paso 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph 1.6c. higher Pac. Coast Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago
Vitriol (see Copper sulfate).
Bluestone (see Copper sulfate).
Bonemeal, steamed, works, E ton 65.00 - —
Los Angeles ton 82 00 - —
Bone phosphate defluorinated (see D) of lime (see Calcium phosphate, tribasic).
precipitated (see Calcium phosphate tribasic, NF, precip.)
Borax, tech., anhyd., 99½%, bgs., c.l., works ton 80.50 - —
ton lots, ex whse., N. Y. or Chicago ton 130.25 - —
bulk, c.l., works ton 71.50 - —
cryst., 99½%, bgs., c.l., works. ton 69.25 - —
ton lots, ex-whse., N. Y. or Chi ton 119.00 - —
smaller lots, same basis. ton 124.00 - —
gran., decahydrate, 99½%, bgs., c.l., works ton 43.25 - —
ton lots, ex whse., N. Y., Chi ton 93.00 - —
smaller lots, same basis. ton 98.00 - —
bulk, c.l., works ton 36.75 - —
pentahydrate, 99½%, bgs., c.l., works ton 57.75 - —
ton lots, ex whse., N.Y., Chi ton 107.50 - —
smaller lots, same basis. ton 112.50 - —
bulk, c.l., works ton 51.50 - —

How Pennsalt helps **ammonia** users

plan for tomorrow



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All users of ammonia, large and small, can learn a lot, *be saved a lot*, for their tomorrows through Pennsalt's new free counseling service. How can Pennsalt help keep *you* ahead of the game?

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Cleveland 2, Ohio—Main 1-6205
Decatur, Ga.—Evergreen 9690
Detroit 26, Mich.—Woodward 1-8051
Paterson 1, N.J.—Lambert 5-3500
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Industrial Chemicals Division 256
Pennsylvania Salt Manufacturing Company
Three Penn Center Plaza, Philadelphia 2, Pennsylvania

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Name_____ Title_____
Company_____
Street Address_____
City_____ Zone_____ State_____

Borax, tech., powd., 99½%, bgs., c.l., works ton 48.25 • —
ton lots, ex-whse., N. Y. or Chi ton 98.00 • —
smaller lots, same basis, ton 103.00 • —
Borax packed in kgs., $45.50 per ton higher than in paper bgs.; in barrels, $24.50 higher. USP borax $15 per ton higher.

Bordeaux mixture, bgs., c.l., works, frt. alld or nearest wh.e. pt lb. .18 • .24
l.c.l., same basis lb. .19 • .26
Borneol, cns lb. 2.50 • 4.50
Boron trifluoride gas, cyls., truckload works lb. .62 • —
l.t.l., works lb. .70 • —
Brazilwood extract (see Hypernic extract).
Brimstone (see Sulfur).
Bromine, purif., cs., c.l., t.l., dlvd. E. of Rockies lb. .31 • —
l.c.l., same basis lb. .33 • .38
ret. dms., c.l., t.l. dlvd. E. of Rockies lb. .30 • —
l.c.l. same basis lb. .30 • .32
tanks, same basis lb. .21½ • —
Bromochloromethane, dms., c.l., frt. equald lb. .48 • —
l.c.l., same basis lb. .50 • —
Bromoform, pharmaceutical grade, bots lb. 1.62 • 2.60
cbys. lb. 1.52 • —
Bromstyrol, bots lb. 5.40 • 5.70
Bronze powder aluminum (See A).
Brown, iron oxide, pure, bgs., c.l., works lb. .14¼ • —
l.c.l., works lb. .14½ • —
Oxide, metallic, bgs., works lb. .04 • —
Sienna, burnt., paper bgs., c.l., works lb. .06¼ • .17¼
l.c.l., works lb. .06½ .17½
raw, paper bgs., c.l., works lb. .06¼ • .16¼
l.c.l., works lb. .06½ • .16½
Umber, burnt, American, c.l., works lb. .07 • .07¾
l.c.l., works lb. .07¼ • .08
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N. Y. lb. .07¾ —
raw, American, bgs., works lb. .07½ • .08¼
Turkey-type, bgs., works lb. .06¾ • .07
Vandyke, bbls., works lb. .09½ • .12
Brucine, cns., 100-oz. lots oz. .20 • .25
Sulfate, NF cns., 100-oz. lots oz. .15 • .20
Buchu leaves, bls lb. .85 • —
Butadiene, refd., cyls., c.l. refy lb. .21 • —
l.c.l., refy. lb. .22 • —
tanks, refy lb. .15 • —
Butane, indust., tanks, group 3 gal. .04½ • —
N. Y harbor gal. .08 • —
n-Butyl acetate, ferment., dms., c.l., frt. alld lb. .15½ • —
l.c.l., same basis lb. .16½ • —
tanks, same basis lb. .13½ • —
syn., dms., c.l., dlvd E lb. .15½ • —
l.c.l., same basis lb. .16½ • —
tanks, same basis lb. .13½ • —
sec-Butyl acetate, syn., dms., c.l., dlvd. E lb. .13 • —
l.c.l., same basis lb. .13¾ • —
tanks, same basis lb. .11¼ • —
Butyl alcohol (see Alcohol, n-Butyl).
Aldehyde (see Butyraldehyde).
Chloride, dms., c.l., works lb. .37½ • —
l.c.l., works lb. .38 • —
Ether, dms., c.l., works lb. .32¾ • —
l.c.l., works lb. .33¾ • —
tanks, works lb. .31 • —
Lactate, dms., c.l., frt. alld E. of Rockies lb. .42 • —
l.c.l., same basis lb. .43 • —
tanks, same basis lb. .40 • —
Laurate, dms., works lb. .39 • —
Methacrylate, dms., c.l., t.l., works, lb. .55 • —
l.c.l., works lb. .55½ • —
Oleate, refd., dms., l.c.l., works lb. .32 • —
Phenylacetate, dms. lb. 4.50 • 4.60
Phthalate (see Dibutyl phthalate).
Stearate, dms., c.l., frt. equald. lb. .24½ • —
l.c.l., same basis lb. .25½ • —
Butylamine (see mono-, di-, and tri-).
6-tert-Butyl-m-cresol, dms., c.l., works lb. .55 • —
l.c.l., works lb. .56 • —
tanks, works lb. .54 • —
p-tert-Butylphenol, bgs., c.l., works, lb. .25½ • —
Butyraldehyde, dms., c.l., dlvd. lb. .21½ • —
l.c.l. dlvd. lb. .22½ • —
tanks, dlvd. lb. 19½ • —
Butyric ether (see Ethyl butyrate).

C

Cacao butter (see Cocoa butter).
Cadmium iodide, 25-lb. fib. dms. lb. 6.75 • 7.00
Metal ingots or sticks, cs., dlvd. lb. 1.70 • —
Caffeine, USP, nat., cryst., anhyd., dms., 100-lb. lots or more lb. 3.00 • —
hydrous, dms., 100-lib. lots or more lb. 2.80 • —
syn., cryst., anhyd., dms., 100-lb. lots or more lb. 3.00 • —
hydrous, 100-lb. lots or more lb. 2.80 • —
Citrated, USP, dms., 100-lb. lots or more lb. 2.70 • —
Calamine, USP, dms lb. .34 • —
Calciferol, cryst., vials, 1-kilo lots, works gram. .60 • —
25 to 100 gram lots, works, gram. .65 • —
in edible oil (see Viosterol).
Calcium p-aminosalicylate, fib., dms., 1,000 lb. lots, frt. adjusted lb. 7.00 • —
smaller lots, same basis lb. 7.05 • 7.50
Arsenate, dealers, bgs., c.l., frt. alld lb. .09 • .09¼
l.c.l., same basis lb. .10 • .10½
Bromide, NF, jars lb. .94 • .98
Carbide, standard generator size, dms., c.l., dlvd. ton 134.40 • —
Carbonate, nat., dry-grd., air floated, 325 mesh, bgs., c.l., works ton 10.50 • —
chalk, whiting, 325 mesh, bgs., works ton 32.00 -34.00
water-grd., ½ to 10 microns, bgs., c.l., works ton 30.00 • —
10 to 20 microns, bgs., c.l., works ton 17.00 -18.00
precip., dense, bgs., c.l., works, ton 32.50 • —
l.c.l., works ton 42.50 • —
medium, bgs., c.l., works ton 38.00 • —
l.c.l., works ton 48.00 • —
surface treated, bgs., c.l., works ton 37.50 • —
l.c.l., works ton 47.50 • —
ultrafine, bgs., c.l., works, ton 110.00 -160.00
l.c.l., works ton 120.00 -175.00
Chloride, cryst., purif., dms. lb. .27 • —
flake, 77-80%, paper bgs., c.l., works, frt. equald ton 29.00 • —
liquor, 40%, tanks, frt. equald. ton 12.35 • —
pellets, bgs., c.l., works ton 35.40 • —
powd., bgs., c.l., works ton 35.00 • —
solid, 73-75%, dms., c.l., frt. equald ton 27.50 • —
l.c.l., works, same basis, ton 34.00 -71.00
USP, gran., dms. lb. .32 • —
Chromate, bgs., frt. equald lb. 29½ • .30
Cyanide, dms., dlvd. E. of Rockies lb. .24 • .50
Cyclamate, 100-lb. fib. dms. lb. 2.95 • —
Gluconate, AA, bbls., dms. lb. .74 • .76
USP, bbls., dms lb. .67 • .69
Hydride, dms., works lb. 2.15 • 3.00
Hypochlorite, high test, 45-lb. cs., dlvd. E. of Rockies cs. 22.60 -24.75
100-lb. dms., same basis dm. 28.65 -32.50
Hypophosphite, dms., ton lots or less lb. .90 • .93
Iodide, jars lb. 4.52 • —
Lactate, NF, dms., 10,000-lb. lots or more, works lb. .36 • .40
smaller lots, works lb. .41 • .48
Mandelate, USP, dms., works lb. 2.10 • 2.25
Naphthenate liq., 4% Ca., dms., frt. equald lb. .27¼ • —
Nitrate, fertilizer grade, bgs., c.l., Los Angeles ton 46.00 • —
tech., dms., works lb. .13 • —
Pantothenate, jars, 100-gram lots or more, frt. adjusted gram. .06 • —
Para-aminosalicylate (see Calcium p-Aminosalicylate).
Phenolsulfonate, dms lb. .70 • —
Phosphate, dibasic, USP, bgs., c.l., frt. equald 100 lbs. 7.75 • —
l.c.l., frt. equald 100 lbs. 8.50 • —
feed grade, 18½%P, bgs., c.l., t.l., frt. equald ton 74.00 -83.25
l.c.l., frt. equald ton 79.00 -93.25
21% P, bgs., c.l., t.l., frt. equald ton 94.50 • —
l.c.l., frt. equald ton 99.50 -104.50
monobasic, bgs., 10,000-lb. lots, frt. equald 100 lbs. 6.90 • —
smaller lots, same basis, 100 lbs. 7.40 • —
tribasic, NF, precip., bgs., c.l., frt. equald 100 lbs. 8.25 • —
l.c.l., frt. equald 100 lbs. 9.00 • —
Phytate, bgs., works lb. .50 • —
Resinate, precip., dms., frt. alld., works lb. .30½ • —
Silicate, hydrated, bgs., c.l., works, lb. .06 • —
l.c.l., works lb. .06½ • —
paint grade (see Wollastonite).
Stearate, ctns., c.l. lb. .37 • —
l.c.l. lb. .38 • .42
Sulfate (see Gypsum).
Calomel, USP, powd., dms. lb. 3.42 • —
Camphene 46° m.p., dms., incl., c.l., works lb. .15 • —
l.c.l., same basis lb. .16½ • —
tanks, same basis lb. .12½ • —
Chlorinated, 67-69% (see Toxaphene).
Camphor, monobromated, NF, dms., kgs lb. 3.25 • 3.67
nat., USP, powd., cs., 100-lb. lots, lb. .60 • .65
tablets, 1-oz., ½-oz. cs. lb. .85 • .90
syn., tech., 1 bbl. or more lb. .52 • —
USP, gran., powd., bbls., 2,000-lb. lots lb. .59 • —
1,000-lb. lots lb. .60 • —
smaller lots lb. .61 • —
tablets, tins, 2,000-lb. lots lb. .90 • —
1,000-lb. lots lb. .91 • —
smaller lots lb. .92 • —
Canada balsam (see Fir balsam).
Cantharides, Chinese, cs. lb. 2.00 • 2.05
powd., bxs. lb. 2.25 • 2.30
Russian, bgs. lb. 4.00 • 4.05
powd., bxs. lb. 4.35 • 4.40
Capsicum (see Pepper red).
Oleoresin, NF, from domestic pepper, dms. lb. 4.50 • 5.25
from African pepper, dms. lb. 4.35 • 5.00
Caraway seed, Dutch, bgs. lb. .16½ • .17
Carbazole, 97%, bbls., ton lots, works lb. 1.05 • —
Carbon dioxide, indust., wholesale, bulk, dlvd. metropolitan area, ton 73.00 -115.00
cyls., same basis lb. .03 • —
solid, same basis lb. .035 • .040
Disulfide, 55-gal. dms., c.l., works, frt. equald. to competitive points lb. .07 • —
l.c.l., same basis lb. .08½ • .09
5-gal. dms., 30 dms. to c.l., same basis lb. .13 • —
less than 30 dms lb. .16 • —
tanks, dlvd. lb. .025- .0545
Tetrachloride, CP, consumers, dms., c.l., l.c.l., frt. alld. lb. .11½ • .13¾
tech., consumers, dms., c.l., E. of Rockies, frt. alld. lb. .10½ • —
W. of Rockies, f.o.b. stockpoints lb. .11 • —
l.c.l., E. of Rockies, frt. alld lb. .12¾ • —
W. of Rockies, f.o.b. stockpoints lb. .13¼ • —
tanks, E. of Rockies, frt. alld lb. .09½ • —
W. of Rockies, f.o.b. stockpoints lb. .10 • —

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Carboxymethyl cellulose (see CMC).
Carbromal, NF, dms., 100-lb. lots, works..lb. 4.00 - 4.25
smaller lots, works.....lb. 4.10 - 4.75
Ca...amom seed, bleached, "A"..lb. 3.25 - —
"B".....lb. 3.10 - —
decorticated, Ceylon, cs.....lb. 1.95 - —
Guatemalan, cs.....lb. 2.95 - —
green, Ceylon, bgs.....lb. 2.10 - 2.15
Carmine, No. 40, NF, bulk, 100-lb. lots or more, dlvd..lb.14.40 - —
smaller lots, dlvd.....lb.14.50 -15.20
Carotene, tech., 1,350,000 A units per gram, tins, 5-10 kilo lots, dlvd..gram. .295 - —
in carrot oil, 5,000,000 to 8,000,000 A units per lb., dms., works, million units. .12 - —
microcrystalline in oil, 400,000 A units per gram, dms., dlvd, million units. .21 - —
b-Carotene, pure, crystalline, 1,600,000 A units to 1,670,000 per gram., cns..gram. .35 - —
in vegetable oil, 400,000 A units per gram, cns, gram. .084 - —
Carvol, bots.....lb. 4.50 - 8.00
Cascara sagrada bark, bulk..lb. .30 - .31
Casein, dom., acid precip., standard, bgs., 10,000-lb. lots or more, shipt. point..lb. .32 - .35
premium, bgs., 10,000-lb. lots or more, shipt. point..lb. .38 - .40
Imp., Argentine, acid-precip., grd., bgs., c.l., duty paid..lb. .25 - .26
New Zealand, same basis...lb. .29 Nom.
Cashewnut shell liquid, treated, dms., c.l., Newark, N. J..lb. .22 - —
ton lots, same basis..lb. .23 - —
dm. lots, same basis..lb. .25 - —
Cassia, Batavia, cuttings, bls.....lb. .18 - —
longstick, cracked, bls.....lb. .20 - —
shortstick, cracked, bls.....lb. .19 - —
Corinje, bls.....lb. .21 - —
Castor beans, bgs., f.o.b. Brazil ton.136.00 Nom.
Oil (see Oil, castor).
Pomace, bgs., c.l., works....ton.40.00 - —
Castoreum, nat., cns.....lb 5.00 -30.00
syn., cns.....lb. 9.00 - —
Catechol, CP, cryst., fib. dms., works..lb. 2.17½- —
resub., dms., works.....lb. 4.29½- —
Catnip leaves, Southern, bls....lb. .75 - —
Celery seed, French, bgs.....lb. .30 - —
Alleppey, bgs.....lb. 2.15 - 2.20
Indian, bgs.....lb. .17 - .17½
Cellulose acetate, flake, powd., etns., bgs., 100-lb. lots or more, dlvd. E..lb. .35 - .46
Acetate-butyrate, powd., 17% butyryl content, bgs., dlvd. E, lb. .545 - .555
27% butyryl content, bgs., dlvd. E..lb. .595 - .605
38% butyryl content, bgs., dlvd. E..lb. .545 - .555
50% butyryl content, bgs., dlvd E..lb. .585 - .595
half-second, bgs., dlvd. E, lb. .545 - .555
Scrap (see Pyroxylin scrap).
Cerium chloride, dms., dlvd.....lb. .35 - —
Hydrate, 74% CeO_2, fib. dms., 100-lb. lots or more..lb. 1.44 - —
77% CeO_2, fib. dms., 100-lb. lots or more..lb. 1.74 - —
Oxalate, NF, bbls., bgs., works, lb. 1.32 - —
Oxide, optical grade, bgs., 50-lb. lots or more, dlvd..lb. 1.85 - 1.98
smaller lots, dlvd.....lb. 2.03 - 2.23
Chalk (see Calcium carbonate).
Chamomile flowers, Hungarian style, cs..lb. .78 - —
Roman, cs.....lb. 1.50 - —
Charcoal, activated, NF, fib. dms., c.l., works..lb. .25 - .32
5-ton lots, works.....lb. .20½- .32½
smaller lots, works...lb. .27 - .50
Bone (see Black, bone).
Hardwood, bulk, c.l., f.o.b. plant, ton.52.00 - —
Briquets, bulk, c.l., f.o.b. plant, ton.75.00 - —
40-lb. paper bgs., c.l., same basis..ton.81.00 - —
lump, bulk, c.l.....ton.55.00 - —
Pinewood, gran., bgs., c.l., works, South..ton.57.00 - —
l.c.l., works, South..ton.57.00 -67.00
lump, bgs., c.l., works, South..ton.53.50 - —
l.c.l., works, South.....ton.56.50 -71.00
bulk, c.l., works, South...ton.38.00 - —
t.l., works, South.....ton.41.00 - —
Chestnut extract, liq., 25% tannin, tanks, works..lb. .04 - —
powd., 60% tannin, bgs., extra, c.l., works..lb. .1032- —
l.c.l., works.....lb. .1102- —
Chloral, tech., 94% min., dms., c.l., multiple units, 5 cars, works, l.c.l., works.....lb. .24 - —
tanks, works.....lb. .21 - —
Hydrate, USP, 40-lb. jars, 1,000-lb. lots..lb. 1.00 - —
500-lb. lots.....lb. 1.03 - —
100-lb. lots or less....lb. 1.05 - —
Chloramine T, NF, bbls., works..lb. .75 - 1.00
Chlordan, agricultural, dms., c.l., frt alld..lb. .65 - —
l.c.l., 5,000 to 10,000-lb. lots, frt alld..lb. .68 - —
clarif., dms., c.l., frt. alld...lb. .69 - —
l.c.l., 5,000 to 10,000-lb. lots, frt. alld..lb. .70 - —
Chlorinated paraffin, 42%, dms., c.l., frt. alld..lb. .16¼- —
l.c.l., same basis.....lb. .17¼- —
70%, dms., c.l., same basis..lb. .18¾- —
l.c.l., same basis.....lb. .19¾- —
Rubber, 5, 10, 20 cps., ctns., c.l., works..lb. .55 - —
l.c.l., works.....lb. .56 - —
125, 1,000 cps., ctns., c.l., works lb. .65 - —
l.c.l., works.....lb. .66 - —
Chlorine, liq., cyls., c.l., works, frt. equald..lb. .10¼- —
l.c.l., Metropolitan area...lb. .11¾- .13
tanks, single units, works, frt. equald..100 lbs. 3.05 - —
multiple units, 3 cars, works, frt. equald..100 lbs. 3.92 - —
3 cars, same basis..100 lbs. 4.12 - —
2 cars, same basis..100 lbs. 5.12 - —
1 car, same basis..100 lbs. 7.12 - —
4-Chloro-2-aminotoluene, fused, bbls. lb. 1.45 - —
m-Chloroaniline, dms., 1,000 lbs. or over, frt. alld..lb. .75 - —
less than 1,000 lbs, same basis..lb. .80 - —
o-Chloroaniline, dms., c.l., frt. equald. lb. .70 - —
l.c.l., same basis.....lb. .72 - —
p-Chloroaniline, dms., c.l., works, frt. equald..lb. .75 - —
l.c.l., same basis.....lb. .77 - —
o-Chlorobenzaldehyde, dms., t.l., works..lb. 1.05 - —
l.t.l., works.....lb. 1.20 - —
p-Chlorobenzaldehyde, dms., c.l., works..lb. 1.95 - —
Chloroform, tech., dms., c.l., dlvd. E..lb. .18 - —
l.c.l., same basis.....lb. .19 - —
tanks, same basis.....lb. .17 - —
USP, dms.....lb. .30 - —

2-Chloro-4-nitroaniline, paste, dlvd. E., 100% basis..lb. .81 - —
powd., dlvd. E., 100% basis..lb. .86 - —
4-Chloro-2-nitroaniline, powd., dlvd. E..lb. .80 - —
o-Chlorophenol, dms., c.l., frt. equald. lb. .35½- —
l.c.l., same basis.....lb. .36½- —
p-Chlorophenol, dms., c.l., frt. equald. lb. .35½- —
l.c.l., same basis.....lb. .36½- —
Chlorophyll, oil-soluble, not fixed, 4%, pails, tins, works..lb. 4.25 - —
copper fixed, 6½%, tins, pails, works..lb. 4.23 - —
dms., pails, works..lb. 3.75 - —
8%, pails, dms., works..lb. 4.00 - 4.80
14%, dms., works..lb. 8.90 - —
conc., dom., 50%, dms., works, 100% basis..lb.42.00 - —
75%, dms., works, 100% basis..lb.45.00 - —
90%-100%, dms., works, 100% basis..lb.45.00 - —
imp., 60%, tins, 100% basis, lb 58.00 - —
75% tin, 100% basis....lb.58.00 - —
90% tins, 100% basis....lb.58.00 - —
Chloropicrin, coml., bots.....lb. 1.50 - —
cyls., 180 lbs., frt. alld.....lb. .95 - —
100 lbs., same basis.....lb. .97 - —
25 lbs., same basis.....lb. 1.22 - —
Choline bitartrate, fib. dms., frt. adjusted..lb. 1.25 - 1.35
Chloride, fib. dms., frt. adjusted, lb. 1.25 - 1.35
Dihydrogen citrate, fib. dms., frt. adjusted..lb. 1.25 - 1.35
Chromium acetate, soln., 7½%, bbls., works..lb. .09½- —
cbys., works.....lb. .11¼- —
Fluoride, bbls., works.....lb. .51 - .52

Carboxymethyl Cellulose—CMC

Chromium green (see Green, chrome).
Oxide (see Green chromium oxide).
Trioxide, NF, bots.....lb. .82 - .89
Yellow (see Yellow chrome).
Cinchona bark, NF, red, broken, bgs..lb. .35 - .40
yellow, broken, bgs.....lb. .35 - .40
Cinchonidine, cryst., cns., 100-oz. lots. oz. .65 - —
Sulfate, cns., 100-oz. lots ...oz. .35 - —
Cinchonine, cryst., cns., 100-oz. lots. oz. .52 - .57
Sulfate, NF, cns., 100-oz. lots oz. .27½- .30½
Cinchophen, NF, heavy density, dms., frt. adjusted..lb. 3.70 - 4.05
standard density, dms., same basis..lb. 3.50 - 3.85
Cinchophen-sodium, dms., frt. adjusted..lb. 4.50 - 4.85
Cinnamic alcohol (see Alcohol cinnamic).
Aldehyde, cns., dms.....lb. 1.00 - 1.30
Cinnamon, Ceylon, No. 2, bgs...lb. .85 - —
"000", bgs., afloat.....lb. 1.00 - —
Citral, bots., cns.....lb. 5.45 - 5.90
Citronellal, bots., dms.....lb. 3.10 - —
Citronellol, bots., dms.....lb. 4.85 - 5.15
Civet, artif., bots.....lb.13.75 -15.00
nat., bots.....oz. 7.50 -15.00
Clay, ball, dom., airfloated, bgs., c.l., Tenn..ton.19.50 - —
crushed, shed moisture, bulk, c.l., Tenn..ton.10.00 - —
purif., bgs., c.l. Tenn..ton.20.50 - —
imp., airfloated, bgs., c.l., Atl. port..long ton.42.00 -45.00
lump, bulk, Atl. port..long ton.27.00 -30.20

Clay, China, dom., dry-grd., airfloat, 99% 325 mesh bgs., c.l., Georgia works..ton.10.00 - —
l.c.l., Georgia works, ton.15.50 - —
300 mesh, bgs., c.l., Georgia works..ton.13.50 -14.50
l.c.l..ton.35.00 -36.00
imp., white, lump, bulk, c.l., ex dock, Phila., Portland, Me. gross ton.20.00 -35.00
powd., bgs., c.l., ex dock net ton.50.00 —
l.c.l., ex whse..net ton.60.00 -65.00
Clove, Madagascar, bgs.....lb. .39 - .40
Zanzibar, bgs.....lb. .48 - —
CMC, crude, 96%, low or medium vis., bgs., or fib. dms., 23,000 lbs., dlvd. E., 100% basis..lb. .37 - —
less than 23,000 lbs., dlvd. E., 100% basis..lb. .41 - —
65%, low or medium vis., bgs., or fib. dms., c.l., dlvd. E., 100% basis..lb. .37 - —
l.c.l., dlvd. E., 100% basis, lb. .41 - —
purif., high vis. (see Gum Cellulose).
standard, low or medium vis., bgs., 23,000 lbs. or over, works, frt. alld..lb. .53 - —
smaller lots, same basis..lb. .57 - —
CMC prices W. of the Rockies are 2c. per lb. lower, and are on a works basis.

20° and 22° Baumé Water White and Commercial Grades Available in Tank Car Quantities from Niagara Falls, New York

20° Baumé Commercial Grade Muriatic Acid is also available for prompt tank car shipments from Carlsbad, New Mexico.

specifications

20° and 22° Baumé Water White Grade

COLOR.....WATER WHITE
IRON.....0.0001% MAXIMUM
FREE CHLORINE.....NONE
ARSENIC.....NONE
INORGANIC SALTS.0.002% MAXIMUM
SULFATES.....0.0003% MAXIMUM
ORGANIC MATTER 0.0002% MAXIMUM
SUSPENDED MATTER.....NONE

MURIATIC ACID

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Address all inquiries to Industrial Sales Dept., Potash Division
General Offices: 20 North Wacker Drive, Chicago 6
61 Broadway, New York 6 • Midland, Texas

Coaltar—d-Desoxyephedrine Hydrochloride

Coaltar, crude, resale for solns., dms., c.l., ex-whse gal. .255 - —
t.c.l. ex-whse gal. .275 - —
tanks, ex works gal. .155 - .159
refd., resale, dms., c.l., ex-whse. gal. .2650- .32
t.c.l., ex-whse gal. .2850- .34
tanks, ex-whse gal. .1650- .1760
Cobalt acetate, 23.7%, dms., dlvd. lb. 1.20 - —
Carbonate, 46% powd., bgs., dlvd. lb. 1.85 - —
Chloride, 24.2% Co., dms., dlvd. lb. 1.20 - —
Hydrate, 60-61% Co., dms., dlvd lb. 2.62 - —
Linoleate, fused, 8½% Co., dms. lb. .75¾- —
liq., 6% Co., dms lb. .61 - —
Metal, 97-99%, kgs., ex whse lb. 2.60 - —
Naphthenate, liq., 6% Co., dms., dlvd lb. .48¼- —
Nitrate, 20 1% Co., bbls., dlvd lb. 1.00 - —
Oxide, black, 72½-73½% Co., kgs lb. 1.96 - —
70-71% Co., kgs lb. 1.90 - —
Phosphate, powd., 32.1% Co., kgs., dlvd lb. 1.69 - —
Resinate, fused, 3% Co., dms. lb. .29¾- —
Sulfate cryst., 21% Co., dms., dlvd lb. .79 - —
monohydrated, 33% Co., dms., dlvd lb. 1.32 - —
Tallate, 6% Co., dms., dlvd lb. .43¾- —

Cocaine, USP, cns., 100-oz. lots oz. 17.80 - —
Hydrochloride, cns., 100-oz. lots. oz. 13.75 - —
Cocillana bark, bgs lb. .48½- .50
Cocoa butter, bgs lb. .48 - .52
Codeine, NF, cns., 100-oz. lots oz. 13.25 - —
Hydrochloride, cns., 100-oz. lots. oz. 11.75 - —
Phosphate, USP, cns., 100-oz. lots. oz. 10.25 - —
Sulfate, USP, cns., 100-oz. lots oz. 10.75 - —
Codliver oil (see Oil, codliver).
Cohosh root, black, bls lb. .20 - .22
blue, bls lb. .20 - .22
Colchicine, USP, bots., cns. oz. 33.50 -40.00
Colchicum root, bls lb. .45 - .55
seed, bgs lb. .75 - 1.00
Collodion, USP, dms lb. .32½- —
flexible, dms lb. .34 - —
Colocynth, pulp, bls lb. .25 - .30
Colombo root, bls lb. .15 - .16
Condurango bark, bales lb. .40 - .50
Copaiba balsam, cns., dms lb. .90 - 1.20
Copper acetate, bbls., c.l., works lb. .53 - —
l.c.l., works lb. .54 - —
Carbonate, 55%, bgs., c.l., works. lb. .4075- —
l.c.l., works lb. .4225- —
Chloride, anhyd., bbls., works lb. .50¾- .51¼
cryst., bbls., works lb. .34¾- .35¼
Cyanide, tech., bbls., 20,000-lb. lots or more lb. .80½- —
1,000-lb. lots or more lb. .81½- —
smaller lots lb. .83½- —
Gluconate, dms lb. 3.15 - 3.30

Copper hydrate, dms., l.c., frt. alld. E. of Miss. lb. .57 - —
l.c.l., same basis lb. .57½- —
Metal, electrolytic, dlvd., Valley basis lb. .46 - .53½
Naphthenate, liq., 8% Cu., dms., frt. alld lb. .24 - —
Nitrate, tech., cryst., bbls., works. lb. .33¼- —
Oleate, solid, 9% Cu., dms., works lb. .45 - —
Oxide, black, bbls., 100-2,000-lb. lb. lots, works lb. .57 - .64½
red, 97%, USN Type I, bbls., 100-5,000 lb. lots lb. .69½- .83½
90%, USN Type II, bbls., 100-5,000 lots or more, works. lb. .57½- .67½
Oxychloride, dms., c.l., works lb. .55 - —
l.c.l., works lb. .55½- .65½
Quinolinolate, fib. dms lb. 4.25 - 4.50
Resinate, precip., dms., frt. alld lb. .31½- —
Sulfate, CP, gran., bbls., works. lb. .2360- —
cryst., 99%, bgs., c.l., works. 100 lbs. 16.70 - —
l.c.l., same basis 100 lbs. 17.20 -19.70
Monohydrated, 35%, c.l., works. 100 lbs. 27.00 - —
l.c.l., works 100 lbs. 27.75 - —
tribasic, dealers, bgs., c.l., works, frt. equald 100 lbs. 35.85 - —
l.c.l., same basis 100 lbs. 37.35 - —
Undecylenate, dms lb. 2.00 - 3.00
Copra, Atlantic, Gulf ports, c.i.f. ton. 158.00 - —
Pacific ports, c.i.f. ton. 153.00 - —
Coriander seed, Moroccan, bgs. lb. .09½- —
Roumanian, bgs lb. .08½- —
Yugoslavian, bgs lb. .08¾- .09

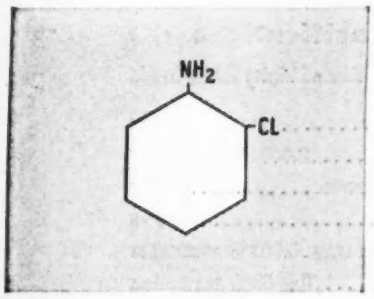
Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min. 100 lbs. 7.16 - —
t.c.l. 100 lbs. 7.31 - —
Syrup, 42°, dms., c.l. 100 lbs. 7.13 - —
t.c.l. 100 lbs. 7.28 - —
Corrosive sublimate (see Mercuric chloride).
Cortisone acetate, NNR, bulk gram. 3.50 - 3.55
Cottonseed meal, expeller, 41%, bgs., Memphis ton. 49.00 - —
solvent, same basis ton. 44.50 - —
Cramp bark, NF, bls lb. .85 - .90
Coumarin, NF, cryst., dms. lb. 3.20 - 3.45
Cream of tartar (see Potassium bitartrate).
Creosote carbonate, NF, bots, chys. lb. 3.05 - 3.26
Coaltar, crude, tanks, works, frt. adjusted gal. .22 —
soln., 80%, tanks, works gal. .2068- —
refd., dms., c.l., works gal. .40 - .42
t.c.l., same basis gal. .50 - .53
tanks, same basis gal. .30 - .33
Wood, beechwood, chys., dms lb. 1.60 - 1.65
hardwood, NF, bots., chys lb. 1.30 - 1.35
pinewood, dms., c.l., incl. lb. .0561 - —
t.c.l., incl lb. .0634- —
N.Y. whse., dms., t.c.l. incl. lb. .0745- —
tanks, works lb. .0460- —
Cresol, tech., 50% below 204°C., dry above 207°C. wide distillation range, non-ret. dms., c.l., frt. equald lb. .1625- —
t.c.l., same basis lb. .1675- —
tanks, same basis lb. .145 - —
USP, non-ret., dms., c.l., same basis lb. .1775- —
t.c.l., same basis lb. .1825- —
tanks, same basis lb. .160 - —
m-Cresol, 95-98%, dms., c.l., works. lb. .60 - —
t.c.l., works lb. .61 - —
m-p-Cresol, 5-95%, 3°C., dms., c.l., frt. equald lb. .1775- —
t.c.l., same basis lb. .1825- —
tanks, same basis lb. .160 - —
2-97%, 2°C., dms., c.l., frt. equald. lb. .2175- —
t.c.l., same basis lb. .2225- —
tanks, same basis lb. .200 - —
o-Cresol, m.p. over 30°C. ret. dms., c.l., frt. equald lb. .17¾- —
t.c.l., same basis lb. .18¼- —
tanks, same basis lb. .16 - —
29°C., ret. dms., c.l., frt. equald. lb. .16 - —
t.c.l., same basis lb. .16½- —
tanks, same basis lb. .15 - —
25-29°C., dms., c.l., frt. equald. lb. .15¾- —
t.c.l., same basis lb. .16¼- —
tanks, same basis lb. .14 - —
p-Cresol, 98%, dms., c.l., dlvd lb. .50 - —
t.c.l., dlvd lb. .51 - —
tanks, dlvd lb. .49 - —
Methyl ether, cns lb. 1.90 - 2.50
Crotonaldehyde, 91-93%, dms., t.c.l., works lb. .24¼- .25
Cryolite, nat., indust., bgs., c.l., works 100 lbs. 13.00 - —
t.c.l., works 100 lbs. 14.25 - —
Insecticide, dealers, bgs., c.l., dlvd 100 lbs. 16.75 - —
t.c.l., dlvd 100 lbs. 17.75 - —
Cube root, powd., 5% rotenone, bgs., c.l., t.l., works lb. .27 - .30
t.c.l., works lb. .28 - .31¼
Cubeb berries, XX, NF, bgs lb. .60 - .65
powd., cs lb. .75 - .80
Cumene, dms., c.l., works lb. .12 - —
t.c.l., works lb. .14 - —
tanks, works lb. .11 - —
Cumin seed, Iranian, bgs lb. .17 - —
Turkish, bgs lb. .14½- .15
Cutch extract, 55% tannin, bgs., ex dock, duty extra lb. .08¼- —
Cyanamide, fertilizer mixing grades, 21% N, gran., bgs., Niagara Falls, Ont., contract ton. 55.00 - —
pulv., 21% N, bgs., works, unit-ton. 2.75 - —
Indust. grade, bgs., c.l., works ton. 75.00 - —
t.c.l., bgs., works ton. 96.00 - —
6-16 mesh, dms., c.l., works ton. 120.00 - —
t.c.l., works ton. 140.00 - —
Cyclohexane, 99%, tech., dms., c.l., works gal. .70 - —
t.c.l., works gal. .72 - —
tanks, works gal. .55 - —
Cyclohexanol, tech., dms., c.l., works, frt. alld., E. lb. .28½- .37¾
t.c.l., works, same basis lb. .30 - .38¼
tanks, works, same basis lb. .27 - .36¼
Cyclohexanone, tech., dms., c.l., works lb. .33½- —
t.c.l., works lb. .35 - —
tanks, works lb. .32 - —
Cyclohexene, min. 98%, b.r. 82.5°C-85°C, 360-lb. dms., c.l., works lb. .55 - —
t.c.l., same basis lb. .60 - —
tanks, same basis lb. .52 - —
Cyclohexylamine, dms., c.l., works. lb. .46½- —
t.c.l., works lb. .48½- —
tanks, works lb. .45 - —
Cyclopropane, CP, 2-lb. cyls., works. cyl. 48.00 - —
6 oz. cyls., works cyl. 12.00 - —
USP, hospitals, cyls., 40-gal. lots, gal. .38 - —
100-gal. lots gal. .37 - —
200-gal. lots gal. .36 - —

D

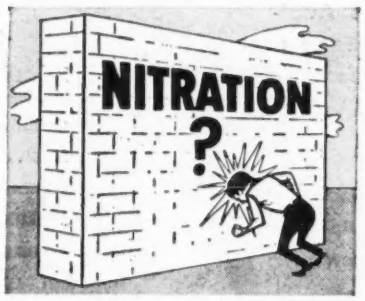
2-4-D, tech., dms., c.l., works, frt. equald lb. .37 - —
t.c.l., same basis lb. .42 - .46
Butyl ester, dms., c.l., works. lb. .40 - —
t.c.l., same basis lb. .45 - .49
tanks, same basis lb. .39 - —
Isopropyl ester, dms., c.l., works. lb. .40 - —
t.c.l., works lb. .45 - .49
tanks, works lb. .39 - —
Dandelion root, bls lb. .35 - .40
DDD, tech., flake, grd. fib. dms., c.l., works lb. .45 - —
t.c.l., works lb. .46 - —
DDT powder, bgs., c.l., works, frt. equald lb. .23 - .27
smaller lots, same basis lb. .25 - .26¾
fib. dms., c.l., same basis lb. .24 - .28
smaller lots, same basis lb. .26 - .27¾
1-Decanol, tech., dms., c.l., dlvd lb. .41 - —
t.c.l., dlvd lb. .43 - —
tanks, dlvd lb. .38¼- —
Deertongue leaves, bls lb. .45 - —
Defluorinated phosphate, feed grade, 13% P, paper bgs., c.l., t.l., works ton. 49.50 - —
14½% P, paper bgs., c.l., t.l., works ton. 48.00 - —
17% P, paper bgs., c.l., t.l., works ton. 56.00 - —
18% P, paper bgs., c.l., t.l., works ton. 62.10 - —
Degras, common, bbls lb. .11 - .12
neutral, less 2% f.f.a., bbls lb. .21 - .22
over 2% f.f.a., bbls lb. .20 - .21
d-Desoxyephedrine hydrochloride bots. 24.00 -25.00
dl, bots. lb. 6.50 - —

CAN YOU PASS THIS

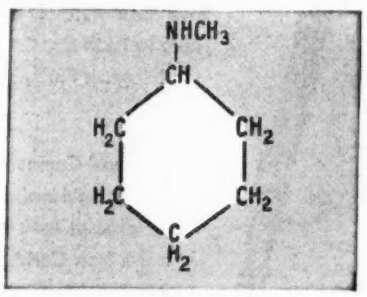
30-Second Quiz on Intermediates?



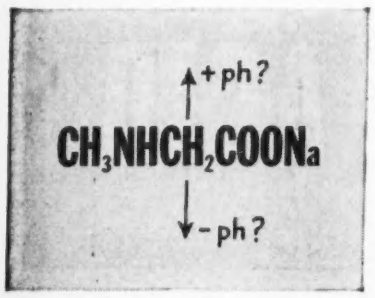
1. Du Pont o-Chloroaniline is currently used for:
   - ☐ A. Preparation of fungicides
   - ☐ B. Preparation of anti-oxidants
   - ☐ C. No known uses



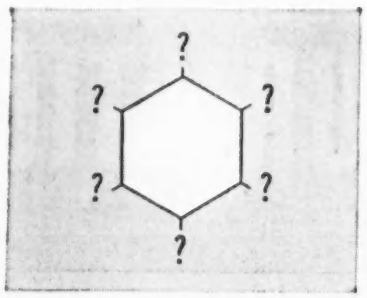
2. If you have a problem in nitration you should:
   - ☐ A. Try Sodium Nitrate
   - ☐ B. Pass the problem on to an unsuspecting friend
   - ☐ C. Call on Du Pont for your nitrated products



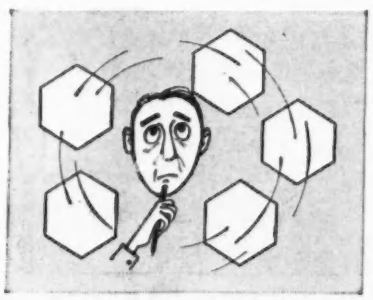
3. You can use Du Pont N-Methylcyclohexylamine as:
   - ☐ A. A solvent
   - ☐ B. An acid acceptor
   - ☐ C. An intermediate



4. This is the formula for Du Pont Sarcosine. It is particularly interesting because:
   - ☐ A. It displays both basic and acidic properties
   - ☐ B. It is basic
   - ☐ C. It is acidic



5. Suppose you have an unusual intermediate in mind. Your first move should be:
   - ☐ A. Write Du Pont
   - ☐ B. Consult Du Pont
   - ☐ C. Call Du Pont on the phone



6. Granted there are a lot of intermediates to choose from. What's the best way to to find out about the one you want?
   - ☐ A. Check all technical literature
   - ☐ B. Write your problem up and send it to the ACS
   - ☐ C. Write in to Du Pont

● Du Pont manufactures the greatest variety of intermediates offered by any chemical company and offers you help and advice on the use of any one of them. The quiz above gives some indication of the products and services available. Let's see how you made out on it: Answers: 1—A; 2—C; 3—A,B,C; 4—A; 5—Take your pick; 6—C.

There's a complete line of Du Pont intermediates containing nitro, chloro, amino and sulfo groups. Before attempting your own nitrations, chlorinations or reductions, it will pay you to consult Du Pont. Our resources are at your disposal in finding, or even in manufacturing, the intermediate you need.

Just drop us a note, and let us try to help. Address: E. I. du Pont de Nemours & Co. (Inc.), Organic Chemicals Dept., Chemicals Div., Wilmington 98, Delaware.

DU PONT
REG. U.S. PAT. OFF.
BETTER THINGS FOR BETTER LIVING
...THROUGH CHEMISTRY

ORGANIC CHEMICALS DEPARTMENT

Dextrin, corn, gum, paper bgs., c.l. 100 lbs. 9.13 - —
l.c.l. 100 lbs. 9.33 - —
canary, light paper bgs. c.l. 100 lbs. 8.92 - —
l.c.l. 100 lbs. 9.07 - —
dark paper bgs., c.l. 100 lbs. 9.02 - —
l.c.l. 100 lbs. 9.17 - —
white paper bgs., c.l. 100 lbs. 8.76 - —
l.c.l. 100 lbs. 8.91 - —

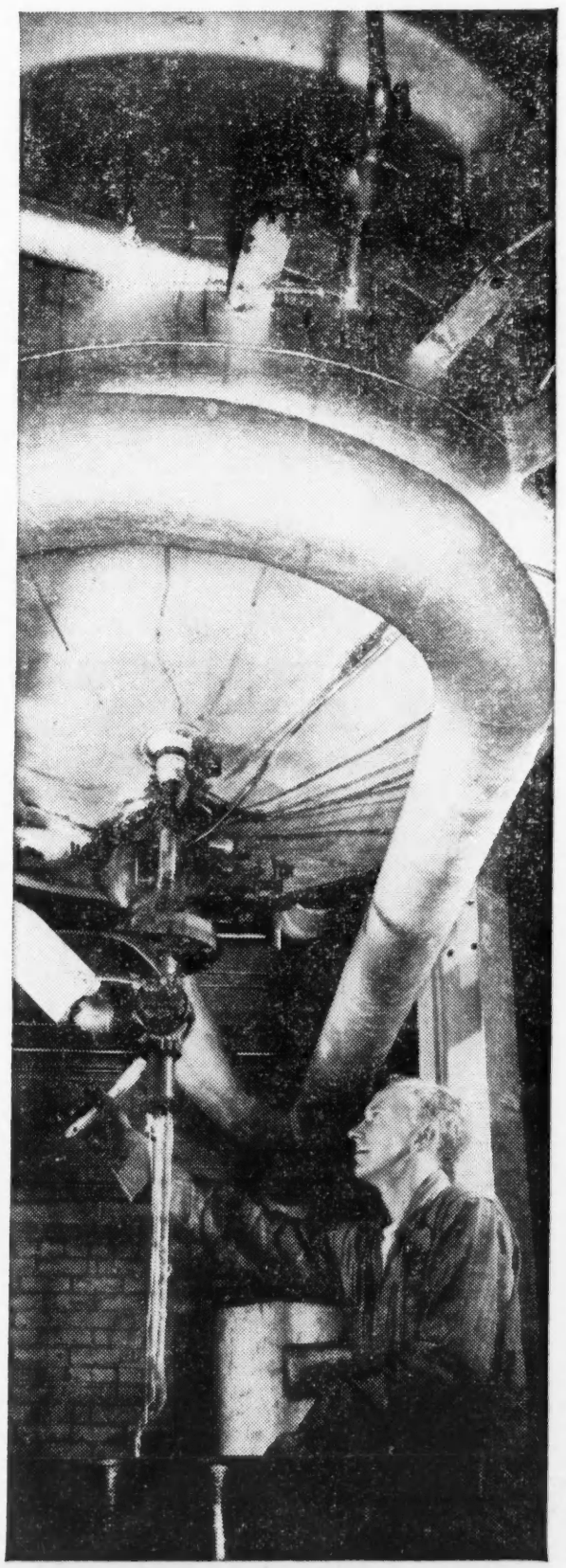
Corn dextrin in cotton bgs. 15c. per 100 lbs. higher.

Potato, imported, bgs lb. .10½- .11
Dextrose, USP, dms lb. .17¾- —
Diacetone (see Alcohol diacetone).
Diacetyl, flavor grade, bots lb. 4.50 5.50
Di-sec-amyl phenol, dms., c.l., works lb. .30¾- —
l.c.l., works lb. .32¼- —
tanks, works lb. .28¾- —
Di-tert-amyl phenol, dms., c.l., works lb. .30¾- —
l.c.l., works lb. .32¼- —
tanks, works lb. .28¾- —
o-Dianisidine fib. dms lb. 2.00 - —
Dibenzyl sebacate, dms., c.l., works, lb. .89¾- .90
l.c.l., same basis lb. .90¼- .91
tanks, same basis lb. .88 - —
p-Dibromobenzene bgs., 500-lb. lots, lb. .55 - —
Dibutyl phthalate, dms., c.l., dlvd., E lb. .32 - —
l.c.l., same basis lb. .33 - —
tanks, same basis lb. .30 - —
Sebacate, dms., c.l., works lb. .66 - —
l.c.l., works lb. .66½- .67
tanks, works, dlvd lb. .64 - .64½
Tartrate, dms works, frt. alld. lb. .64 - —
Dibutylamine, dms., c.l., dlvd lb. .55 - —
l.c.l., same basis lb. .56 - —
tanks, same basis lb. .53 - —
2,6-Di-tert-butyl-p-cresol, dms., c.l., dlvd lb. .91 - —
l.c.l., dlvd. lb. .95 - —
Dicapryl phthalate, dms., c.l., dlvd., lb. .30½- .31½
l.c.l. dlvd lb. .31½- .32½
tanks, dlvd lb. .29½- —
Sebacate, dms., c.l., works lb. .63 - —
l.c.l., works lb. .63½- .64
tanks, works lb. .61 - —
2,5-Dichloroaniline, dms., works lb. .83 - —
o-Dichlorobenzene, dms., c.l., frt, alld. E lb. .12¼- —
l.c.l., same basis lb. .13¼- —
tanks, same basis lb. .10¾- —
p-Dichlorobenzene, dms., c.l., frt, alld. E lb. .14½- —
l.c.l., same basis lb. .17 - —
1,4-Dichlorobutane, dms., c.l. or t.l., works lb. .33½- —
l.c.l., or l.t.l., works lb. .34 - —
tanks, works lb. .32 - —
Dichlorodiphenyltrichloroethane (see DDT).
Dichloropentanes, dist., dms., c.l., works lb. .05 - —
l.c.l., works lb. .06 - —
tanks, works lb. .03 - —
Dicyclohexylamine, dms., c.l., works, lb. .51 - —
l.c.l., works lb. .51¾- —
tanks, works lb. .49½- —
Dicyclohexyl phthalate, fib. dms., c.l., works, frt. alld lb. .58¼- .59
l.c.l. same basis lb. .59¼- .60
Didecyl phthalate, dms., c.l., works, lb. .33½- —
l.c.l., same basis lb. .34½- —
tanks, same basis lb. .31½- —
Dieldrin, dms., frt. alld lb. 1.80 - —
l.c.l., frt. alld lb. 1.85 - —
Diethanolamine, dms., c.l., dlvd. E. lb. .26½- —
l.c.l., same basis lb. .27½- —
tanks, same basis lb. .24½- —
Diethyl carbonate, dms., c.l., frt. alld lb. .47 - —
l.c.l. same basis lb. .48 - —
tanks, same basis lb. .45 - —
Ethanolamines, dms., c.l., dlvd lb. .69 - —
l.c.l. dlvd lb. .70 - —
tanks, dlvd lb .67 - —
Oxalate, dms., c.l., frt. alld lb. .42 - —
l.c.l. same basis lb. .43 - .45
tanks same basis lb. .40 - —
Phthalate, dms., c.l., dlvd lb. .27 - —
l.c.l., dlvd lb. .28 - —
tanks, dlvd lb. .25 - —
Sulfate, dms., c.l., works lb. .18¾- —
l.c.l., works lb. .19¼- —
tanks, works lb. .17 - —
Diethylamine, dms., c.l., dlvd. E lb. .50½- —
l.c.l., same basis lb. .51½- —
tanks, same basis lb. .48½- —
N,N-Diethylaniline, dms., c.l., frt. alld lb. .51 - —
l.c.l., same basis lb. .52 - —
tanks, same basis lb. .50 - —
Di-2-ethylhexyl adipate (see Dioctyl adipate).
Phthalate (see Dioctyl phthalate).
Diethylene glycol, dms., c.l., dlvd. E. lb. .17¼- —
l.c.l., same basis lb. .18¼- —
tanks, same basis lb. .15¼- —
Boriborate, dms., l.c.l. lb. .31 - —
Diethyl ether, dms., c.l., works, lb. .47½- —
l.c.l., works lb. .48 - —
Monobutyl ether, dms., c.l., dlvd. E lb. .30¼- —
l.c.l., dlvd. E lb. .31¼- —
tanks, dlvd. E lb. .28¼- —
Acetate, dms., c.l., works lb. .30 - —
l.c.l., works lb. .30½- —
tanks, dlvd. E lb. .28¼- —
Monoethyl ether, dms., c.l., dlvd. lb. .22 - —
l.c.l., dlvd lb. .23 - —
tanks, dlvd lb. .20 - —
acetate, dms., c.l., works lb. .26¾- —
l.c.l. works lb. .27¼- —
tanks, dlvd. E lb. .25¼- —
Monomethyl ether, dms., c.l., dlvd lb. .20½- —
l.c.l., dlvd lb. .21½- —
tanks, dlvd lb. .18½- —
Diethylenetriamine, dms., c.l., dlvd. E lb. .43½- —
l.c.l., dlvd. E lb. .44½- —
tanks, dlvd. E lb. .41½- —
Diethylstilbestrol, USP, bots., 10-kilo lots kilo. 100.00 -147.50
kilo. 110.00 -152.50
Digitalis leaves, USP, dom., dms., lb. .90 - 1.10
Digitoxin, USP, bots gram. 5.00 - 5.50
Diglycol laurate dms lb. .35 - .38
Stearate dms., ton lots lb. .25 - —
Dihexyl sebacate, dms., c.l., works. lb. .64 - —
l.c.l., works lb. .64½- .65
tanks, works lb. .62 - —
Dihydrazine sulfate, dms., works, lb. 1.10 - 1.25
Dihydrostreptomycin hydrochloride, bulk gram. .063 - .07
Sulfate bulk gram. .063 - .07
1,2-Dihydroxy anthraquinone, dms., works lb. 2.75 - —
2,2-Dihydroxy-5-5-dichloro-diphenyl-methane, pure, dms lb. 2.55 - —
tech., dms lb. 1.09 - —
Di-isobutyl ketone, dms., c.l., dlvd. lb. .16 - —
l.c.l., dlvd lb. .17 - —
tanks, dlvd lb. .14 - —
Phthalate, dms., c.l., dlvd. E lb. .31 - —
l.c.l. same basis lb. .32 - —
tanks, same basis lb. .29 - —

Di-isobutylene, dms., c.l., dlvd. E lb. .10 - —
l.c.l., dlvd. E lb. .11 - —
tanks, dlvd E lb. .08 - —
Di-iso-octyl pntnalate, dms., c.l., dlvd lb. .32½- —
l.c.l., same basis lb. .33½- —
tanks, same basis lb. .30½- —
Sebacate, dms., c.l., works lb. .63 - —
l.c.l., works lb. .63½- .64
tanks, works lb. .61 - —
Di-isopropanolamine, dms., c.l., dlvd. lb. .22¾- —
l.c.l., same basis lb. .23¾- —
tanks, same basis lb. .20¾- —
Di-isopropylamine, dms., c.l., dlvd. E. of Rockies lb. .50 - —
l.c.l., same basis lb. .51 - —
tanks, same basis lb. 48 - —
Dillseed, dewhiskered, bgs lb. .10 - .10½
nat., bgs. lb. .09 - —
Dimethyl anthranilate, cns. lb 5.25 5.75
Chloroacetal, dms., c.l., works lb. .45 - —
l.c.l., works lb. .50 - —
tanks, works lb 40 - —
Ethanolamines, anhyd., dms., c.l., dlvd lb. 1.22 - —
l.c.l., dlvd. lb. 1.23 - —
tanks, dlvd. lb. 1.20 - —
70%, dms., c.l., dlvd., 100% basis, contained amines lb. .68 - —
l.c.l., dlvd., 100% basis lb. .69 - —
tanks, dlvd. 100% basis lb. .66 - —
Hydroquinone, dms. lb. 1.70 - 2.75
Phthalate, dms., c.l., works lb. .29½- —
l.c.l. works lb. .30½- —
tanks, works lb. .27½- —
Sebacate, dms., c.l., works lb. 1.27 - —
l.c.l., dlvd. lb. 1.28 - —
tanks, works lb. 1.25 - —

Dymethyl sulfate, 55-gal. ret. dms., c.l., works lb. .15 - —
l.c.l. works lb. .16 - —
10-gal ret dms. l.c.l., works, lb. .16½- —
Dimethylamine 25% soln dms., c.l., frt equald lb. .42 - —
l.c.l. frt equald lb. .42½- —
tanks, frt equald lb. .33 - —
40% soln, dms, c.l., frt. equald lb. .39 - —
l.c.l. frt equald lb. .39½- —
tanks, frt. equald lb. .33 - —
N,N-Dimethylaniline, dms., c.l., frt. alld lb. .29½- —
l.c.l. frt alld lb. .30½- —
tanks, frt. alld lb. .28½- —
N,N-Dimethylformamide dms. works, lb. .34 - .39
tanks works lb. .32 - —
2,4-Dinitroaniline, dms., 1,000-lb. lots, frt. equald lb. .68 - —
smaller lots lb. .71 - —
m-Dinitrobenzene, 85°C., dms lb. .22 - —
89°C., dms lb. .24 - —
2,4-Dinitrochlorobenzene, crystalizing at 46½°C., dms., c.l., frt. alld. E lb. .15¼- —
l.c.l., frt. alld E lb. .15¾- —
tanks, frt. alld E lb. .15 - —
crystalizing at 48°C., dms., c.l., frt. alld. E lb. .20¼- —
l.c.l., frt. alld. E lb. .20¾- —
tanks, frt. alld. E lb. .20 - —
2,4-Dinitrophenol, bbls lb. .37 - —
2,4-Dinitrotoluene, oily, dms lb. .11 - —
refd., 63°C., dms lb. .23 - —

Dioctyl adipate, dms., c.l., works, lb. 44½- —
l.c.l. works lb 45½- —
tanks, works lb 42½- —
Phthalate dms., c.l., frt alld lb. .32½- —
l.c.l. frt alld lb. .33½- —
tanks, frt alld lb. .30½- —
Sebacate, dms., c.l., works, lb. .60 - —
l.c.l., works lb. .60½- .61
tanks, works dlvd lb. .58 - .58½
Di-o-tolylguanidine, dms., ton lots, frt alld lb. .60 - —
smaller lots, frt alld lb. .61 - —
1,4-Dioxane, dms., c.l., works lb. .28¾- —
l.c.l., same basis lb. .29¼- —
tanks, same basis lb. .27 - —
Dip oil (see Tar acid oil)
Dipentaerythritol, bgs., l.c.l., works, lb. .35 - —
Dipentene, dest-dist., dms., c.l., works gal. .47 - —
l.c.l., works gal. .52 - —
ex-whse gal. .62 - —
steam-dist. dms., c.l., works, South gal. .59 - —
dlvd. N. Y gal. .67 - —
tanks works, South gal. .45 - —
Diphenyl, bbls., c.l., works lb. .15 - —
l.c.l. works lb. 16 - —
Diphenyl in bags 4c lower.
Oxide, perfume grade cns lb. .54 - .61
Phthalate dms., c.l. works lb. .51¾- —
l.c.l. works lb. .53¾- —
Diphenylguanidine, bgs., dms., ton lots, frt. alld lb. .50 - —
smaller lots frt. alld lb. .51 - —



DOW

busy
BISPHENOL A
top resin
intermediate

Versatile Dow product widens markets for paint formulators

Fast-moving epoxy resins have sky-rocketed in production since World War II, and Bisphenol A is a basic building block in their manufacture. The future looks even brighter with coatings based on these resins moving into many untapped fields.

Dow pioneered the development of substituted phenols and is the major supplier and best source of high-quality Bisphenol A. The company also supplies two other important resin intermediates—*p-tert*-Butylphenol and *p*-Phenylphenol.

Dow production of Bisphenol A has been increased tremendously. Your opportunities for its use in epoxy resins are now greater than ever. Dow welcomes the opportunity to assist you on your particular application. And one other factor—Bisphenol A is now shipped in 50-lb. multiwall bags for easier, faster handling in your plant. Other Dow chemicals used in resin manufacture by industry include diethylenetriamine, epichlorohydrin, Dowanol® products and polypropylene glycols. For specifications and delivery information call your nearest Dow sales office, or write THE DOW CHEMICAL COMPANY, Midland, Michigan, Dept. OC 843C.

you can depend on DOW CHEMICALS

DOW

Diphenylhydantoin-Sodium—Ethyl Gallate

Diphenylhydantoin-sodium USP, dms lb. 5.00 - 5.60
Dipropylene glycol, dms., c.l., frt. alld lb. .17¼ - —
l.c.l., same basis lb. .18¼ - —
tanks, same basis lb. .15¼ - —
Monomethyl ether, dms., c.l., dlvd. E lb. .20 • —
l.c.l., same basis lb. .21 • —
tanks, same basis lb. .18½ - —
Divi divi, 45% tannin, bgs., bls., c.l., U.S ports, exdock ton 70.00 -72.00
Divinylbenzene 20-25% dms., c.l., works, frt. equald lb. .20 • —
l.c.l., same basis lb. .21 • —
tanks, same basis lb. .19 • —
50-60%, dms., c.l., works, 100% basis lb. 1.00 • —
l.c.l., works, 100% basis lb. 1.05 • —
Dodecylbenzene, dms., c.l., frt. alld lb. .14 • —
l.c.l., same basis lb. .15 • —
tanks, same basis lb. .12 • —

Dyes, coaltar, certified colors for food, drugs and cosmetics, 500-lb. and 1-lb. lots, dlvd:—

Blue, FD & C, No. 1 lb. 15.65 -17.60
No. 2 lb. 15.65 -17.60
Green, FD & C, No. 1 lb. 15.65 -17.60
No. 2 lb. 19.60 -22.85
No. 3 lb. 21.30 -35.90
Red, FD & C, No. 1, cns lb. 5.90 - 7.85
No. 2 lb. 3.30 - 4.10
No. 3 lb. 19.60 -22.85
No. 4 lb. 5.55 - 7.50
Violet, FD & C, No. 1, cns lb. 15.65 -17.60
Yellow, FD & C, No. 1, cns lb. 9.15 -11.05
No. 5 lb. 3.30 - 4.10
No. 6 lb. 3.30 - 4.10

Dyes, coaltar, certified colors for drugs and cosmetics, 200 lb. and 1 lb. lots, dlvd:—

Black, D&C, No. 1 lb. 10.50 -10.95
Brown, D&C, No. 1 lb. 15.65 -16.10
Green, D&C, No. 5 lb. 15.65 -16.10
No. 6 lb. 15.65 -16.10
No. 7 lb. 14.35 -14.80
Orange, D&C, No. 3 lb. 10.50 -10.95
No. 4 lb. 19.60 -20.05
No. 5 lb. 5.25 - 5.70
No. 17 lb. 10.50 -10.95
No. 18 lb. 23.55 -24.00
No. 19 lb. 15.00 -15.45
No. 21 lb. 3.10 - 3.60
No. 22 lb. 10.50 -10.95
No. 33 lb. 24.20 -24.65
Violet, D&C, No. 2 lb. 17.00 -17.45
Yellow, D&C, No. 7 lb. 15.65 -16.10
No. 8 lb. 10.50 -10.95
No. 10 lb. 13.05 -13.50
No. 11 lb. 13.05 -13.50

Dyes, coaltar, certified colors for drugs and cosmetics, external use, 1-lb. lots, works, 25-50 lb. lots, dlvd:—

Blue, Ext., D&C, No. 1, cns lb. 15.65 -16.10
Green, Ext., D&C, No. 1, cns lb. 15.65 -16.10
Red, Ext., D&C, No. 1, cns lb. 13.05 -13.50
Yellow, Ext., D&C, No. 1, cns lb. 10.50 -10.95

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype), contract, dlvd. No.

20 Chrysoidine Y, dustless lb. .89 • —
27 Fast light, orange 2G lb. 1.09 • —
31 Phloxine 2G lb. .89 • —
36 Yellow 2G lb. 1.00 • —
40 Orange R extra, conc lb. 1.29 • —
57 Fuchsine 6B lb. 1.31 • —
79 Scarlet 2R lb. .98 • —
151 Orange AD lb. .67 • —
161 Orange RR lb. .80 • —
176 Fast red A lb. 1.18 • —
179 Rubine XX, conc lb. 1.25 • —
180 Blue F4B lb. 1.11 • —
561 Brown B lb. 2.45 • —
581 Black EB, 200% lb. 1.13 • —
185 Brilliant scarlet 3RU, conc. lb. 1.03 • —
202 Chrome blue black R, conc. lb. .91 • —
203 Chrome black T lb. .94 • —
208 Fast blue SR lb. 1.10 • —
216 Chrome red B lb. .92 • —
234 Brown Y lb. 1.08 • —
246 Blue black, extra, conc lb. 1.16 • —
275 Milling red 3R, conc lb. 1.62 • —
289 Navy blue 3R, conc lb. 1.44 • —
299 Black F, conc lb. 1.86 • —
304 Neutral black 2B, conc. lb. 2.43 • —
326 Fast scarlet 4BNC lb. 1.80 • —
332 Bismark brown RX, conc., dustless lb. 1.16 • —
365 Brilliant yellow, conc lb. 3.11 • —
382 Scarlet B lb. 2.20 • —
401 Diazo black BHD lb. .79 • —
406 Blue 2B, extra conc lb. 1.30 • —
419 Red FC lb. 1.23 • —
420 Brown M lb. 1.19 • —
448 Red 4BX, conc lb. 1.43 • —
518 Diamine sky blue FF, extra, conc lb. 1.65 • —
593 Green BY, conc lb. .87 • —
596 Yellow Brown K, extra lb. 1.08 • —
620 Yellow 2G lb. 1.11 • —
639 Fast Yellow GG lb. 1.97 • —
640 Yellow XX lb. 1.95 • —
655 Yellow OX lb. 2.24 • —
657 Green V lb. 2.31 • —
662 Brilliant green G lb. 3.07 • —
667 Milling green 6B, conc lb. 4.05 • —
671 Blue EG lb. 1.68 • —
681 Crystal violet powder lb. 2.15 • —
698 Violet 6BN Powder lb. 1.91 • —
720 Brilliant blue BBG lb. 2.07 • —
729 Blue B, conc lb. 3.06 • —
749 Red BX lb. .87 • —
814 Yellow NN, conc lb. 3.11 • —
841 Safranine GF, extra, conc. lb. 3.48 • —
865 Nigrosine J lb. 4.76 • —
922 Blue GXX lb. 1.88 • —
978 Black GXCF, conc lb. .32 • —
1034 Alizarine red SC lb. 2.85 • —
1054 Alizarine blue SAPX lb. 3.20 • —
1078 Alizarine green CG, extra. lb. 2.99 • —
1085 Alizarine blue black B lb. 2.56 • —
1096 Golden orange GFD, single paste lb. 2.19 • —
1099 Dark blue BO, single paste. lb. 1.93 • —
1101 Jade green N, double paste. lb. 1.10 • —
1106 Blue RS, double paste lb. 3.26 • —
1113 Blue BLFD, double paste lb. 2.48 • —
1150 Olive R, single paste lb. 1.21 • —
1151 Brown R, single paste lb. 1.94 • —
1171 Indigo synthetic, 20% paste. lb. .31 • —
1217 Orange RD, double powder. lb. 3.94 • —
p-4 Brown PG lb. 2.54 • —
p-14 Brown EB lb. 1.83 • —
p-24 Gray L lb. 1.76 • —
p-80 Diazo brilliant scarlet ROAD lb. 3.07 • —
p-202 Diazo black VJ, conc lb. 2.10 • —
p-244 Brilliant scarlet BN lb. 1.44 • —

Dyes, coaltar, oil soluble, 100 lb. dms., dlvd.

24 Oil orange Z-7078 lb. 1.06 • —
73 Oil scarlet ZBL lb. 1.44 • —
800 Chinoline yellow ZSS lb. 2.67 • —
860 Induline base ZM lb. 1.07 • —
860 Induline base Z2R lb. 1.07 • —

Dyes, coaltar, for stains, oil soluble, 100-lb. dms., sellers' works,

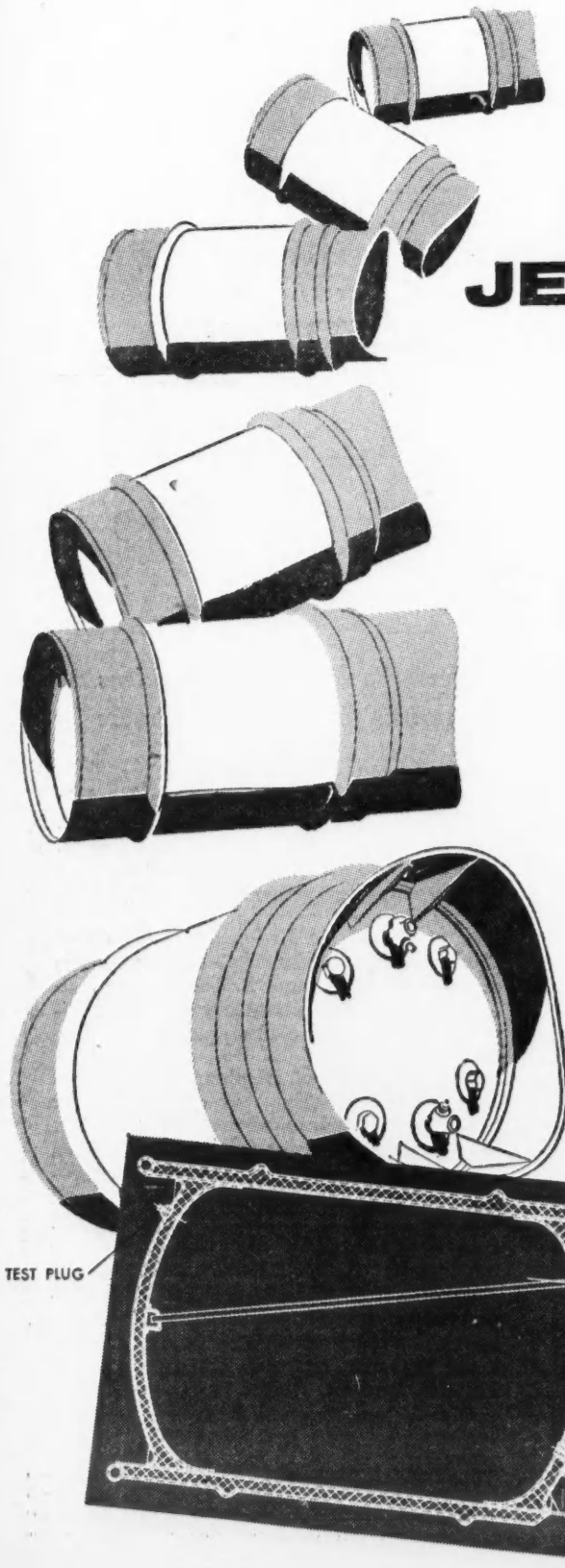
1073 Oil violet ZIRS lb. 6.81 • —
1078 Alizarine cyanine green base Z lb. 6.13 • —
1080 Oil violet special Z lb. 6.81 • —
p-813 Naphthol SWF lb. 2.03 • —
Oil black ZBC lb. 4.46 • —
Oil black ZBD lb. 3.03 • —
Oil black ZHH lb. 4.61 • —
Oil black ZMM lb. 6.52 • —
Oil blue ZN lb. 8.02 • —
Oil blue ZV lb. 4.95 • —
Oil orange ZMG lb. 1.32 • —
Oil red Z-1700 lb. 1.49 • —
Oil yellow ZG, conc lb. 6.33 • —

Dyes, coaltar, spirit soluble, 100 lb. dms., dlvd.

p-317 Spirit yellow ZR lb. 4.62 • —
p-320 Spirit orange ZR, conc lb. 5.87 • —
Spirit black ZRB lb. 2.95 • —
Spirit brown ZG lb. 5.30 • —
Spirit red ZB, conc lb. 6.41 • —

E

Echinacea root, bls lb 1.10 • —
Egg albumin (see Albumin).
Yolk, dried, dom., bbls lb. 1.02 • 1.04
tanners, bbls. lb .06 • .06¼
Elm bark, grinding, bls lb. .30 • .32
powd., bbls., bxs lb. .45 • —
select, bundles lb. .75 • —
Emetine hydrochloride, USP, bots oz. 42.50 -44.00
Endrin, tech., dms., dlvd., 100% basis lb. 3.75 • —
Ephedrine, syn., USP, anhyd., bots., 100-oz. lots oz. .98 - 1.00
hydrous, bots., 100-oz. lots oz. .92 • —
Hydrochloride, tins, 100-oz. lots, oz. .75 • —
Sulfate, cryst., tins, 100-oz. lots, oz. .72 • —
powd., tins, 100-oz. lots oz. .73 • —
Epichlorohydrin, dms., c.l., dlvd lb. .35 • —
l.c.l., dlvd lb. .36 • —
tanks, dlvd lb. .33 • —
Epinephrine, syn., USP, bots., 100-gram lots gram .60 • —
Epsom salt (see Magnesium sulfate).
Ergosterol, unirradiated, cryst kilo. 150 00 • —
Ergot, NF, dms., tin-lined lb. 2.00 • —
Eserine salicylate, bots oz. 84.00 • —
Sulfate, bots oz. 84.00 • —
Ether (see specific product).
Ethyl acetate, nat., ferment., 85-88%, dms., c.l., frt. alld lb. .13½ - —
l.c.l., frt. alld lb. .14½ - —
tanks, frt. alld lb. .11½ - —
95-98%, dms., c.l., frt. alld. lb. .13¾ - —
l.c.l., frt. alld lb. .14¾ - —
tanks, frt. alld lb. .11¾ - —
99%, dms., c.l., frt. alld lb. .14 • —
l.c.l., frt. alld lb. .13 • —
tanks, frt alld lb. .12 • —
syn., 85-88%, dms., c.l., dlvd. lb. .13½ - —
l.c.l., dlvd lb. .14½ - —
tanks, dlvd lb. .11½ - —
95-98%, dms., c.l., dlvd lb. .13¾ - —
l.c.l., dlvd lb. .14¾ - —
tanks, dlvd lb. .11¾ - —
99%, dms., c.l., dlvd lb. .14 • —
l.c.l., dlvd lb. .15 • —
tanks, dlvd lb. .12 • —
Acetoacetate, dms., c.l., dlvd lb. .58 • —
l.c.l., dlvd lb. .59 • —
tanks, dlvd lb. .56 • —
Acrylate, dms., c.l., t.l., dlvd lb. .36- —
l.t.l., dlvd lb. .37 • —
tanks, dlvd lb. .34 • —
Aminobenzoate, USP (see Benzocaine).
Bromide, tech., 98%, dms., c.l., frt. alld. E lb. .41 • .43
l.c.l., frt. alld. E lb. .43 • .45
Butyl ketone, dms, c.l., works lb. .35½ - —
l.c.l., works lb. .36 • —
tanks, works lb. .34 • —
Butyrate, works lb .80 • 1.02
Carbamate (see Urethane).
Cellulose, vis. 7 cps., bgs., 5,000-lb. lots or more, works lb. .70 • —
smaller lots, works lb. .72 • .80
vis. 10, 20, 50, 100, 150 cps., ogs., 2,000-lb. lots or more, works lb. .65 • .70
smaller lots, works lb .67 • .81
Chloride, tech., cyl., works .20 • .22
dms., works lb. .18 • .20
tanks, works lb. .10 • —
Cinnamate, cns lb. 2.71 • 3.45
Ether, absolute, ACS, dms lb. .27 • —
anesthesia, USP, hospitals, 1-lb. cns lb. 1.01 • —
½-lb. cns lb. 1.11 • —
¼-lb. cns lb. 1.21 • —
indust., c.l., dlvd lb. .12 • —
l.c.l., dlvd. E lb. .13 • —
tanks, dlvd. E lb. .10 • —
Gallate, dms., 100 to 2,000-lb. lots lb. 3.90 • 4.40



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Two valves are located in the head of each drum. When fitted with suitable adapters and couplings, they serve to unload the Ethylene Oxide by displacement with an inert gas.

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CHEMICAL PROGRESS WEEK-APRIL 23-28
A BETTER AMERICA THROUGH CHEMICAL PROGRESS

Ethyl iodide, cbys., works ..... lb. 3.30 - —
Methacrylate, dms., c.l. and less than truckload, works, frt. equald ..... lb. .51½- .52
Morphine hydrochloride, USP, bots oz. 11.85 - —
Nitrite (see Nitrous ether).
Oenanthate, dms ..... lb 1.00 1.50
Oleate, dms., t.c.l., works ..... lb. No prices.
Oxalate (see Diethyl oxalate).
Silicate dist. (see Tetraethyl orthosilicate).
40% available SiO_2, dms., c.l., dlvd ..... lb. .49 - —
t.c.l., dlvd ..... lb. .50 - —
tanks, dlvd ..... lb. .47 - —
Ethylethanolamines, mixed, dms., c.l., dlvd. E ..... lb. .43½- —
t.c.l., dlvd E ..... lb. .44½- —
tanks, dlvd. E ..... lb. .41½- —
N-Ethyl-a-naphthylamine, dms., works, lb. 1.02 - —
N-Ethyl-o-toluidide, bbls. ..... lb. .88 - —
Ethylamine (see Mono Di- or Tri-)
N-Ethylaniline, dms., c.l., frt. alld, lb. .51 - —
t.c.l., frt. alld ..... lb. .52 - —
tanks, frt alld ..... lb. .50 - —
Ethylbenzene, 99%, dms., c.l. ..... lb. .19½- .20¼
t.c.l. ..... lb. .20½- .21¼
tanks ..... lb. .18½- —
Ethylene dichloride, dms. c.l., dlvd, lb. .10¼- —
t.c.l., same basis ..... lb. .12¼- —
tanks, same basis ..... lb. .09 - —
Ethylene dichloride prices W. of Rockies, 1c. per lb. higher.
Glycol, indust., dms. c.l., dlvd E, lb. .15½- —
t.c.l. same basis ..... lb. .16½- —
tanks, same basis ..... lb. .13½- —
Monobutyl ether, dms., c.l., dlvd. E lb. .21½- —
t.c.l., dlvd. E ..... lb. .22½- —
tanks, dlvd. E ..... lb. .19½- —
Monoethyl ether, dms., c.l., dlvd. E lb. .20½- —
t.c.l., dlvd. E ..... lb. .21½- —
tanks, dlvd. E ..... lb. .18½- —
Acetate, dms., c.l., dlvd. E lb. .19 - —
t.c.l., dlvd. E ..... lb. .20 - —
tanks, dlvd. E ..... lb. .17 - —
Monomethyl ether, dms., c.l., dlvd. E lb. .20½- —
t.c.l., dlvd. E ..... lb. .21½- —
tanks, dlvd. E ..... lb. .18½- —
Acetate, dms., c.l., dlvd. E lb. .28¾- —
t.c.l., dlvd. E ..... lb. .29¼- —
tanks, dlvd E ..... lb. .27 - —
Monostearate, triple pressed, dms lb. .34 - —
Oxide, dms., c.l., dlvd. E ..... lb. .21½- —
t.c.l., dlvd. E ..... lb. .24½- —
tanks, dlvd E ..... lb. .15½- —
Trichloride (see Trichloroethane).
Ethylenediamine, 85-88%, dms., c.l., dlvd. E., 100% basis lb. .46 - —
t.c.l., dlvd. E., 100% basis lb. .47 - —
tanks, dlvd. E., 100% basis lb. .44 - —
Ethylvanillin, cns., 25-lb. lots ... lb. 6.75 - 7.30
smaller lots ..... lb 7.35 7.40
Eucalyptol, USP, cns., dms ..... lb 1.40 - 1.50
Eugenol, USP, bots. ..... lb. 2.20 - 3.25
Euphorbia herb, bls ..... lb. .15 - .17

F

Feldspar, 140-200 mesh, bulk, c.l., works ton. 16.50 - —
Feldspar in bags $3 per ton higher
Fennel seed, Argentine, bgs ..... lb. .17½- —
Czech, medium, bgs ..... lb. .11½- —
Indian, light, bgs ..... lb. .11 - .11½
Roumanian, bgs. ..... lb. .11 - —
Fenugreek seed, Indian, bgs ..... lb. .08½- .09
Moroccan, bgs. ..... lb. .08½- .09
Ferric acetate, liquor, 28°, bbls., c.l., works lb. .09 - —
t.c.l., works ..... lb. .09¾- —
soln., USP IX, cbys. ..... lb. .16 - —
dms. ..... lb. .17 - —
Cacodylate, NF, bots ..... lb. 13.00 -14.00
Chloride, anhyd., tech., dms., c.l., works 100 lbs. 7.00 - —
t.c.l., works ..... 100 lbs. 7.85 - —
indust. cryst., bbls., c.l., works, 100 lbs. 5.25 - 6.75
t.c.l., works ..... 100 lbs. 5.75 - 7.25
42° Be, photo grade, cbys., c.l., works 100 lbs. 7.25 - 8.25
sewage grade, tanks, frt. equald, 100% basis, 100 lbs. 3.50 - —
USP cryst., dms., works ..... lb. 07½- .09
Citrate, gran., dms. ..... lb. .86 - —
Hypophosphite, NF, dms ..... lb. 3.45 - —
Naphthenate, liq., 6% Fe., dms., frt. alld lb. .25¾- —
Oxalate, gran., dms ..... lb. .85 - .87
Phosphate, NF, soluble, gran., pearls, cs lb. .64 - .65
Pyrophosphate, NF VII, soluble, gran., pearls, dms lb. .78 - .81
Resinate, 6¾% Fe, dms., frt. alld lb. .29½- —
Stearate, dms., c.l., frt. alld lb. .37 - —
t.c.l., frt. alld ..... lb. .38 - .42
Sulfate, partially hydrated, bgs., c.l., works ton. 31.75 -33.75
t.c.l., works ..... ton. 34.75 -40.75
lb. .37 - —
Ferric-ammonium citrate, brown, NF, gran., dms lb. .60 - .63
green, USP XII, gran., dms lb. .60 - .63
Oxalate, fine gran., dms ... lb. .25½- .28½
Ferric-potassium oxalate, fine gran., dms lb. .30½- .33½
Ferric-sodium oxalate, fine gran., dms. lb. .25½- .28½
Ferrous gluconate, NF, dms ... lb. .94 - —
Sulfate, gran., bgs., c.l., works, ton. 34.50 - —
t.c.l., dlvd. Metropolitan area ..100 lbs. 3.35 - 4.25
bbls., c.l., works ..... ton. 40.00 - —
bulk, c.l., works ..... ton. 27.00 - —
USP, cryst., bbls., dms ..... lb. .09½- .10
Fir, balsam, Canada, cns ..... gal. 32.00 - —
Oregon, bbls. ..... gal. 4.00 - —
Fishliver oil (see Oil fishliver).
Fishmeal, dom., menhaden, 60% protein grd., bgs., Chesapeake Bay area ..ton. 141.00 - —
Scrap, same basis ..... ton. 137.00 - —
Fleaseed (see Psyllium seed).
Formaldehyde, USP, 37% (inhibited), methanol, Zone 1, dms., c.l., dlvd lb. .0675- —
t.c.l., works ..... lb. .072 - .0725
tanks, dlvd ..... lb. .04 - —
Zone 2, 12-15% methanol, dms., c.l., dlvd lb. .071 - —
tanks, dlvd ..... lb. .043 - —
Methanol-free (uninhibited), Zone 1, tanks, dlvd ..... lb. .0375- —
Zone 2, tanks, dlvd ..... lb. .04 - —
Fringetree bark, bls ..... lb. .60 - .61
Fullers' earth, bgs., c.l., Ill. mines, ton. 19.00 - —
powd., insecticide grade, dried, bgs., c.l., Ga. or Fla. mines ton. 17.50 - —
calcined, bgs., c.l., same basis ..ton. 20.00 -21.75

Fullers' earth, oil-bleaching grade, 100-mesh, bgs., c.l., same basis, ton. 16.30 -17.00
200-mesh, bgs., c.l., same basis ton. 17.50 -18.00
spent, bgs., c.l., shipe point ..ton. 4.50 5.00
Furfural, dms., c.l., works ..... lb. .13 - —
t.c.l., works ..... lb. .14 - —
tanks, dlvd. E ..... lb. .12 - —
dlvd. W ..... lb. .13 - —
Fusel oil, refd., dms., c.l., dlvd. lb. .18 - —
t.c.l., dlvd. ..... lb. .19 - —
tanks, dlvd. ..... lb. .15½- —
Fustic extract, cryst., No. 1, bbls., t.c.l. lb. .47½- —
No. 2, bbls., t.c.l ..... lb. .45½- —
No. 3, bbls., t.c.l ..... lb. .43½- —
liq., No. 1, bbls., t.c.l. ..... lb. .22½- —
No. 2, bbls., t.c.l ..... lb. 21½- —
No. 3, bbls., t.c.l ..... lb. .19 - —
solid, No. 1, bxs., t.c.l ..... lb. .45 - —

G

G salt, bbls., frt alld, 100% basis lb. .73 - —
Gammapicoline (see g-Picoline)
Gelatin, edible, pure (pork skin), 75 Bloom test, bbls., c.l lb. .48 - —
150 Bloom test, bbl., c.l lb. .59 - —
200 Bloom test, bbl., c.l lb. .66 - —
225 Bloom test, bbl., c.l lb. .70 - —
275 Bloom test, bbl., c.l. lb. .77 - —
Gelsemium root, bls ..... lb. .23 - .24
Gentian root, bls ..... lb. .17 - .20
grd., bbls., bxs ..... lb. .22 - .23
powd. bbls. bxs ..... lb .23 24
Geraniol, extra, cns., dms ..... lb. 4.35 - 4.80
standard, cns., dms. ..... lb. 4.20 - —
Geranyl acetate, cns ..... lb. 4.50 - 4.80
Ginger oleoresin, NF, from African root, bots lb 4.00 - 7.75
from Jamaican root, bots lb 6.00 -10.25
Root, African, bls ..... lb .23 - .34
Cochin, bgs ..... lb. .32 - —
Jamaican, No. 2, bgs ..... lb. .59 - .60
No. 3, bgs ..... lb. .54 - —
Nigerian, split, bgs ..... lb. .29 - —
Glauber's salt, anhyd (see Sodium sulfate)
Glue, bone, extracted, 86 jellygrams, bgs. c.l., dlvd lb. .15 - —
104 jellygrams, same basis lb. .17 - —
131 jellygrams, same basis lb. .18 - —
164 jellygrams, same basis lb. .20½- —
191 jellygrams, same basis lb. .21 - —
222 jellygrams, same basis lb. .22 - —
packers 40 jellygrams, bgs., c.l., dlvd lb. .14 - —
65 jellygrams, same basis lb. .14½- —
86 jellygrams, same basis lb. .15 - —
115 jellygrams, same basis lb. .15½- —
135 jellygrams, same basis lb. .18½- —
164 jellygrams, same basis lb. 19½- —
renderers' 115 jelly-grams, bgs., c.l., dlvd lb. .15 - —
Bone glue, t.c.l. prices 1c. higher.
Hide, 70-94 jellygrams, bgs., c.l., dlvd lb. .15 - —
95-121 bgs., c.l., dlvd ..... lb. .16 - —
122-149, bgs., c.l., dlvd ..... lb. .18½- —
150-177, bgs., c.l., dlvd ..... lb. .21 - —
178-206, bgs., c.l., dlvd ..... lb. .23½- —
178-206 bgs., c.l., dlvd ..... lb. .23½- —
207-236, bgs., c.l., dlvd ..... lb. .26 - —
237-266, bgs., c.l., dlvd ..... lb. .28 - —
267-298, bgs., c.l., dlvd ..... lb. .30 - —
Glue, hide, 299-330 jellygrams, bgs., c.l., dlvd lb. .32 - —
331-362 bgs. c.l., dlvd lb 34 - —
363-394, bgs., c.l., dlvd ..... lb. 36 - —
395-427 bgs. c.l., dlvd ..... lb 38 - —
428-460, bgs., c.l., dlvd ..... lb 39 - —
461-494, bgs. c.l. dlvd ..... lb 40 - —
495-529, bgs. c.l., dlvd ..... lb. 41 - —
Hide glue t.c.l. prices 1c higher
Glycerine, nat., crude, saponification, 88% to refineries, tanks. lb. .19 Nom.
soaplye, 80%, tanks ..... lb. .17 Nom.
refd. BP 98% dms. c.l., dlvd lb. 31½- —
t.c.l., dlvd ..... lb. .32 - —
tanks dlvd ..... lb .30 - —
dynamite, dms., c.l., dlvd lb. .31½- —
t.c.l., dlvd ..... lb. .32 - —
tanks. dlvd lb 30 - —
high gravity, dms., c.l., dlvd lb. .31½- —
t.c.l., dlvd ..... lb. .32 - —
tanks dlvd ..... lb .30 - —
USP CP 95% dms. c.l., dlvd. lb. .30½- —
t.c.l., dlvd ..... lb. .31 - —
tanks, dlvd ..... lb. .29 - —
yellow, dist., dms., c.l., dlvd. lb. .31 - —
t.c.l., dlvd ..... lb. .31½- —
syn., dms., c.l., dlvd ..... lb. .31½- —
t.c.l., dlvd ..... lb. .32 - —
tanks. dlvd ..... lb. .30 - —
Glycine (see Acid aminoacetic).
Glycerol (see Gylcerine).

alkyds...
for polyurethanes
call for better glycols...
The quality of polyurethanes depends on the quality of the alkyds used in their production. In turn, the quality of the alkyds depends on the quality of the chemicals used in *their* manufacture.
Producers of alkyds for polyurethanes have found that Mathieson glycols have the necessary purity and uniformity to maintain control of end-product quality.
Mathieson ethylene glycol and diethylene glycol are shipped in tank cars, compartmented cars, tank trucks and resin-lined drums. These and other basic chemicals are strategically stocked to assure prompt delivery. Mathieson also provides expert technical assistance on manufacturing problems. Contact us whenever we may be of service.

3861

MATHIESON CHEMICALS
OLIN MATHIESON CHEMICAL CORPORATION
INDUSTRIAL CHEMICALS DIVISION • BALTIMORE 3, MD.

INORGANIC CHEMICALS: Ammonia • Bicarbonate of Soda • Carbon Dioxide • Caustic Potash • Caustic Soda • Chlorine • Hydrazine and Derivatives • Nitric Acid Hypochlorite Products • Muriatic Acid • Nitrate of Soda • Soda Ash • Sodium Chlorite Products • Sulphate of Alumina • Sulphur (Processed) • Sulphuric Acid
ORGANIC CHEMICALS: Ethylene Oxide • Ethylene Glycols • Polyethylene Glycols • Glycol Ether Solvents • Ethylene Dichloride • Dichloroethylether • Formaldehyde Methanol • Sodium Methylate • Hexamine • Ethylene Diamine • Polyamines • Ethanolamines • Trichlorobenzene • Polychlorobenzene • Trichlorophenol

Glyoxal—b-Ionone Methyl

Glyoxal, 30%, dms., c.l., works lb. .18½ - —
l.c.l., works lb. .19 - —
tanks, works lb. .18 - —
Golden seal root, NF, tested, bls. lb. 2.25 - 2.50
powd., bxs lb 2.75 - 3.25
Graphite, amorph., powd., bgs., fib. dms., ex whse lb. .06 .09½
crystalline, 88-90%, powd., bgs., fib. dms., ex whse lb. .19 - .21½
90-92% powd., bgs., fib. dms., ex whse lb. .21 - .24½
95-97%, powd., bgs., fib. dms., ex whse lb. .29 - .31½
flake, No. 1, 90-95%, bgs., fib. dms., ex whse lb. .29 - .31
No 2 90-95% bgs., fib dms., ex whse lb 29 .31
Grease, white choice, all hog, tanks, dlvd lb. .07½ - —
not all hog, tanks, dlvd lb. .07¼ - —
yellow, tanks, dlvd lb. .06¾ - .07
Green, brilliant, thioflavin, toner, molybdated, PMA, kgs., works lb 5.10 - —
tungstated, PTMA, kgs., works. lb. 6.40 - —
Chrome, CP, dark, light, medium, blue content 1 to 15%, bbls., dlvd N. of Tenn. and N. C., E of Miss., including St. Paul, Minn., Davenport, Rock Island, St. Louis lb. .40 - —

Green chrome, CP, dark, light, medium, blue content 16-30%, bbls., same basis lb. .40 - —
31-45%, bbls. same oasis. lb. .41 - —
45-49%, bbls., same basis lb. .44 - —
reduced color, 25%, bbls., same basis lb. .19 - —

Chrome green prices are ½c. higher, dlvd. at the following points, except as noted:—Ala., Fla., Ga., La. (Shreveport 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c higher dlvd Pac coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Chromium oxide, hydrated, bbls., fib. dms., c.l., frt. alld lb. 1.00 - 1.10
pure, bgs., c.l., frt. alld lb. .42 - —
l.c.l. same basis lb. .43 - —
Dyes (see Dyes, coaltar).
Malachite, straight, PTMA, bbls., works lb. 4.60 - —
Paris (see Paris green).
Phthalocyanine toner, bbls., works. lb. 3.95 - —
resinated, bbls lb 3.50 - —
water dispersable, bbls lb 1.71 - —
Pigment B kegs lb 1.35 - —
paste, kegs lb .38 - —
Grindelia robusta herb bls lb .38 .40
Guaiacol, NF, cryst, dms., tins lb 2.10 2.15
liq., cbys., dms lb 2.30 2.40
Carbonate, NF VII, dms lb 3.40 3.45

Gum, aloe (see Aloe).
Arabic, amber, sorts, bgs lb. .22 - .23
powd., USP, bbls lb. .27 - .28
Asafetida (see A).
Asphaltum (see A).
Benzoin, Sumatra, cs lb. .38 - .42
Camphor (see C).
Cellulose, high vis., bgs., 23,000-lb. lots or more, works, frt. alld lb. .55 - —
smaller lots, same basis lb. .57 - —
Copal, Congo, No. 1, bgs lb. .23 - —
No. 2, bgs lb. .18½ - .20
No. 3, bgs lb. .16½ - .18
Manila C, bgs lb. .41 - .43
CBB, bgs lb. .37 Nom.
DBB, bgs lb. .31 - .33
DK, bgs. lb. No stocks.
dust, bgs lb. .14 - .16
MA, soft, bgs lb. .23 - .25
WS, bgs lb. .34 - .36
Philippine, pale, chips, bgs lb. .24 - .26
bgs lb. .24 - .26
nubs, bgs lb. .34 - .36
seeds, bgs lb. .20 - .22
sorts, bgs lb. .22 - —
Pontianak, chips, bgs lb. .28 - —
nubs bgs lb. .39 - .40
Dammar, Batavia, A/E, cs lb. .27 - .29
dust, bgs lb. .16½ - .17½
E, bgs lb. .20 - .22
East India, batu, bold, bgs lb. .14 - .15½
nubs and chips, bgs lb. .08 - .09
black, bold, bgs lb. .14 - .16
unscraped, bgs lb. .11 - .13
nubs and chips, bgs lb. .11 - .13
pale, chips, bgs lb. .14½ - .15½
nubs, bgs lb. .18 - .19
Siam, cs lb. .39 - —

Gum, dammar, Singapore, No. 1, bgs lb. .47 - .49
No. 2, bbls lb. .29 - .30
No. 3, bbls lb. No stocks.
dust, bgs lb. .16½ - .17
seeds, bgs lb. .20 - .22
Ester, gum-rosin type, dms., c.l., dlvd. Ill., Md., Ky., Mich., Mid-Atl. States, N. E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va lb. .14½ - .16
Wood-rosin type, dms., c.l., same basis lb. .15 - .16
Guar, food grade, bgs., c.l. lb. .40 - —
tech. grade, bgs., c.l lb. .32 - —
Karaya, No. 1, NF, powd., bbls. lb. .55 - —
No. 2, powd., bbls. lb. .45 - —
No 3, powd., bbls lb. .40 - —
Locust bean, powd., bgs lb. .28 - .30
Myrrh, cs lb. .55 - —
Opium (see Opium).
Olibanum siftings, cs lb. .15 - .20
tears, cs lb 22 .30
Rosin (see Naval Stores, Protective Coatings Market).
Sterculia (see Gum Karaya).
Tragacanth, No. 1, ribbons, cs. lb 3.00 - 3.50
No 2, cs lb 2.55 - 2.60
No 3, cs lb 1.75 - 1.90
powd. USP, bbls lb 1.25 - 1.35
Gypsum, plaster of paris, 100-lb paper bgs, trucks, dlvd N Y C ton 20.30 - —
Terra alba, dom., paper bgs., same basis ton 20.00 - —
works, N. Y. C. ton 17.00 - —
imp English, 100-lb. paper bags, ex dock, N. Y. C ton 55.00 - —
ex warehouse ton 60.00 - 62.00

H

Hawthorn berries, bgs lb .24 - .28
Heliotropin, cryst., cns lb 4.05 - 4.50
Hellebore root, dom., green, bls lb. 70 - 75
Helonias root, bls lb. 1.75 - 2.00
Hematine extract, cryst., No. 1, bbls., l.c.l lb. .47 - —
No. 2, bbls., l.c.l lb. .43 - —
No. 3, bbls., l.c.l lb. .41 - —
No 4, bbls., l.c.l lb. .39 - —
No 5, bbls., l.c.l lb. .37 - —
paste, No. 1, bbls., l.c.l lb. .20½ - —
Henbane leaves, bls lb. .35 - .40
Heptane, indust., tanks, Bayonne, N. J gal. .19 - —
Baytown, Tex gal. .14¾ - —
Borger, Tex gal. .14⅜ - —
Hesperidin methylphalcone, bots., works, 50-lb. lots lb. 22.50 - —
5-lb. lots lb. 23.00 - —
1-lb. lots lb. 23.50 - —
Hexachlorophene, dms lb 1.98 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bgs., 20,000-lb. lots or more, Perth Amboy or N.Y.C. lb. .222 - —
1,000-19,999-lb. lots, same basis lb. .232 - —
smaller lots, same basis lb. .242 - —
fib. dms., 1,000-lb. lots or more, same basis lb. .239 - —
smaller lots, same basis lb. .249 - —
USP, dms., 500-lb. lots or more, same basis lb. .40½ - —
smaller lots, same basis lb. .41½ - —
Hexane, indust., tanks, Bayonne, N. J gal. .19 - —
Baytown, Tex gal. .15½ - —
Borger, Tex gal. .15½ - —
l-Hexanol, dms., c.l., works lb. .34½ - —
l.c.l., works lb. .35 - —
tanks, works lb. .33 - —
Hexyl cinnamic aldehyde, dms lb. 4.00 - 7.50
Salicylate, dms lb. 1.75 - —
Hexylene glycol, dms., c.l., dlvd lb. .16 - —
l.c.l., dlvd lb. .17 - —
tanks, dlvd lb. .14 - —
n-Hexyl methacrylate, dms., less than truckload, works lb. .71 - —
Hexylresorcinol, USP, dms., 50-lb. lots or more, dlvd lb. 14.00 - —
smaller lots, dlvd lb. 14.50 - —
Histamine diphosphate, USP, bots. kilo 400.00 - —
l-Histidine hydrochloride, NF, fib. dms., 50-kilo lots, works. kilo 80.00 -85.00
1-5 kilo lots, works kilo 90.00 -95.00
Homatropine hydrobromide, USP bots oz. 8.50 - —
Methylbromide, USP, bots oz. 5.65 - —
Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago unit-ton 6.25 - —
Horehound herb, bls lb 16 - 19
Hydrastine, bots oz. 29.50 -31.00
Hydrochloride, NF, bots oz. 29.50 -31.00
Hydrastis (see Goldenseal).
Hydrazine, free base, ret. dms., Lake Charles, La lb. 3.00 - 3.30
85% ret dms., same basis lb 1.35 - 1.55
Hydrate, 100%, ret. dms., Lake Charles, La lb. 1.60 - 1.90
Hydrocortisone acetate, bulk, bots., dms gram. 4.75 - 5.00
Alcohol, bulk, bots., dms gram. 4.75 - 5.00
Hydrofuramide, dms., fib. ctns., works lb. .30 - .40
Hydrogen chloride, anhyd., 50-lb. cyls., c.l., works lb. .45 - —
l.c.l., works lb. .55 - .60
Fluoride anhyd., cyls., dlvd. E lb. .30½ - .32½
dlvd. W lb. .39 - —
tanks, works lb. .21 - —
Peroxide, USP, bbls., dlvd lb. .03¾ - .05
35%, dms., c.l., dlvd lb. .202 - —
l.c.l., dlvd lb. .211 - —
tanks, dlvd lb. .1800 - —
Hydroquinone, photo grade, bbls., dms lb. .98 - 1.00
tech., dms., c.l., dlvd lb. .82½ - —
l.c.l., dlvd lb. .84½ - —
Hydroxycitronellal, cns lb. 7.65 - 7.90
Hyoscine salts (see Scopolamine).
Hyoscyamine, bots oz. 13.50 - —
Hydrobromide, bots oz. 6.00 - 7.00
Sulfate, bots oz. 7.00 - 7.50
Hypernic extract, cryst., No. 2, bbls., l.c.l lb. .52 - —
liq., No. 1, bbls., l.c.l lb. .35 - —
No 2, bbls., l.c.l lb. .27 - —

I

Ichthammol, NF, jars lb. .75 - 2.57
Indian red (see Red, Indian).
Indigo (see Dyes, coaltar, 1171 Indigo synthetic).
Indole, CP, bots lb. 17.00 -21.00
Inositol, bots., dlvd lb. 5.00 - —
dms., dlvd lb. 4.50 4.75
Insect flowers (see Pyrethrum).
Iodine, crude, kgs lb. 1.42 - —
resub, USP, dms., jars lb. 2.30 - 2.32
Iodochlorohydroxyquinoline, USP, dms lb. 5.90 - —
Iodoform, NF, dms., kgs lb 4.90 - 5.00
a-Ionone, cns lb. 5.30 - 5.60
b-Ionone, cs lb. 6.00 - 7.70
Methyl (see under M).

Pure products.....

FROM NATURAL PROTEIN SOURCES

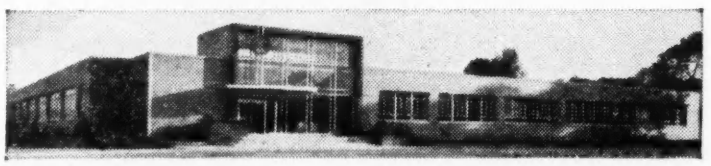
MEDICINAL CHEMICALS FOR PHARMACEUTICAL FORMULATIONS

BETAINE PRODUCTS
PHARMACEUTICAL GRADE

BETAINE HYDROCHLORIDE

BETAINE MONOHYDRATE

BETAINE ANHYDROUS



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PHARMACEUTICAL GRADE

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L-GLUTAMIC ACID HYDROCHLORIDE, N.F.

MONOPOTASSIUM L-GLUTAMATE

L-GLUTAMINE

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▸ ALWAYS UNIFORM ▸ NON-TOXIC ▸ FREE FROM ODORS
▸ FREE FROM END-PRODUCT DETERIORATION

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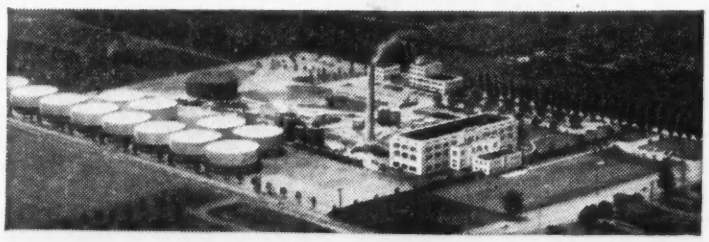


PRODUCTION PLANT • SAN JOSE, CALIFORNIA
WAREHOUSES • CHICAGO • NEW YORK

Medicinal Chemicals Department: AMINO PRODUCTS DIVISION

INTERNATIONAL MINERALS & CHEMICAL CORPORATION

20 NORTH WACKER DRIVE CHICAGO 6, ILLINOIS

Ipecac root, bgs., whole.....lb. 7.50 - 8.00
powd., bbls., bxs.....lb. 8.50 - 9.00
Irish moss, bleached, prime, bls..lb. .28 - .34
Iron compounds (see Ferric or Ferrous).
Isoborneol, cns.....lb. 1.25 - 1.70
Isobornyl acetate, cns.....lb. .62 - .95
Formate, dms.....lb. .80 - —
Propionate, dms.....lb. 1.15 - 1.45
Isobutyl acetate, perfume grade, cns lb. .75 - 1.00
solvent grade, dms., c.l., dlvd. E. of Rockies..lb. .13¾- —
l.c.l., same basis.....lb. .14¾- —
tanks, same basis.....lb. .11¾- —
Isobutyraldehyde, CP, dms., c.l., dlvd. lb. .27½- —
l.c.l., dlvd.....lb. .28½- —
tech., dms., c.l., dlvd.....lb. .21½- —
l.c.l., dlvd.....lb. .22½- —
tanks, dlvd.....lb. .19½- —
Isoeugenol, cns.....lb. 4.40 - 4.75
Isoniazid, powd., bulk, 25-kilo lots or more kilo. 23.00 -25.50
smaller lots.....kilo. 24.00 - 26.00
Isopentane, coml. grade, tanks, f.o.b. Tex. refy gal. .15½- —
Isonicotinic acid hydrazide (see Isoniazid).
Isophorone, dms., c.l., works....lb. .24¼- —
l.c.l., works.....lb. .24¾- —
tanks, works.....lb .22 -2- —
Isopropanol (see Alcohol, Isopropyl).
Isopropyl acetate, dms., c.l., dlvd. lb. .12½- —
l.c.l., same basis.....lb. .13½- —
tanks, same basis.....lb. .10½- —
Alcohol (see Alcohol, Isopropyl).
Benzene (see Cumene).
Ether, dms., c.l., dlvd.....lb. .07 - —
l.c.l., dlvd.....lb. .08 - —
tanks, dlvd.....lb .05 - —
Isopropyl-N-(3-chlorophenyl) carbamate, (CIPC), 70% in xylol, dms., c.l., t.l., works lb. .70 - —
l.c.l., works.....lb. .714 - .814
Isopropyl-N-phenyl carbamate, 450-lb. fib dms., c.l., t.l., works. lb. .75 - —
l.c.l., works.....lb. .80 - .90
Isopropylamine (see Mono, Di, or Tri-).
Isoquinoline, dms., works.....lb. .65 - 1.25

J

Jalap root, NF, bls.....lb. .45 - .55
powd., bbls., bxs.....lb. .55 - .65
Juniper berries, bgs.....lb. .18 - .20
Tar, NF, dms.....lb. .42 - .60

K

Kaolin (see also Clay, China), NF, powd., fib. dms.....lb. .10 - .12
colloidal, fib. dms.....lb. .15½- .17½
Kola nuts, bgs.....lb. .15 - —

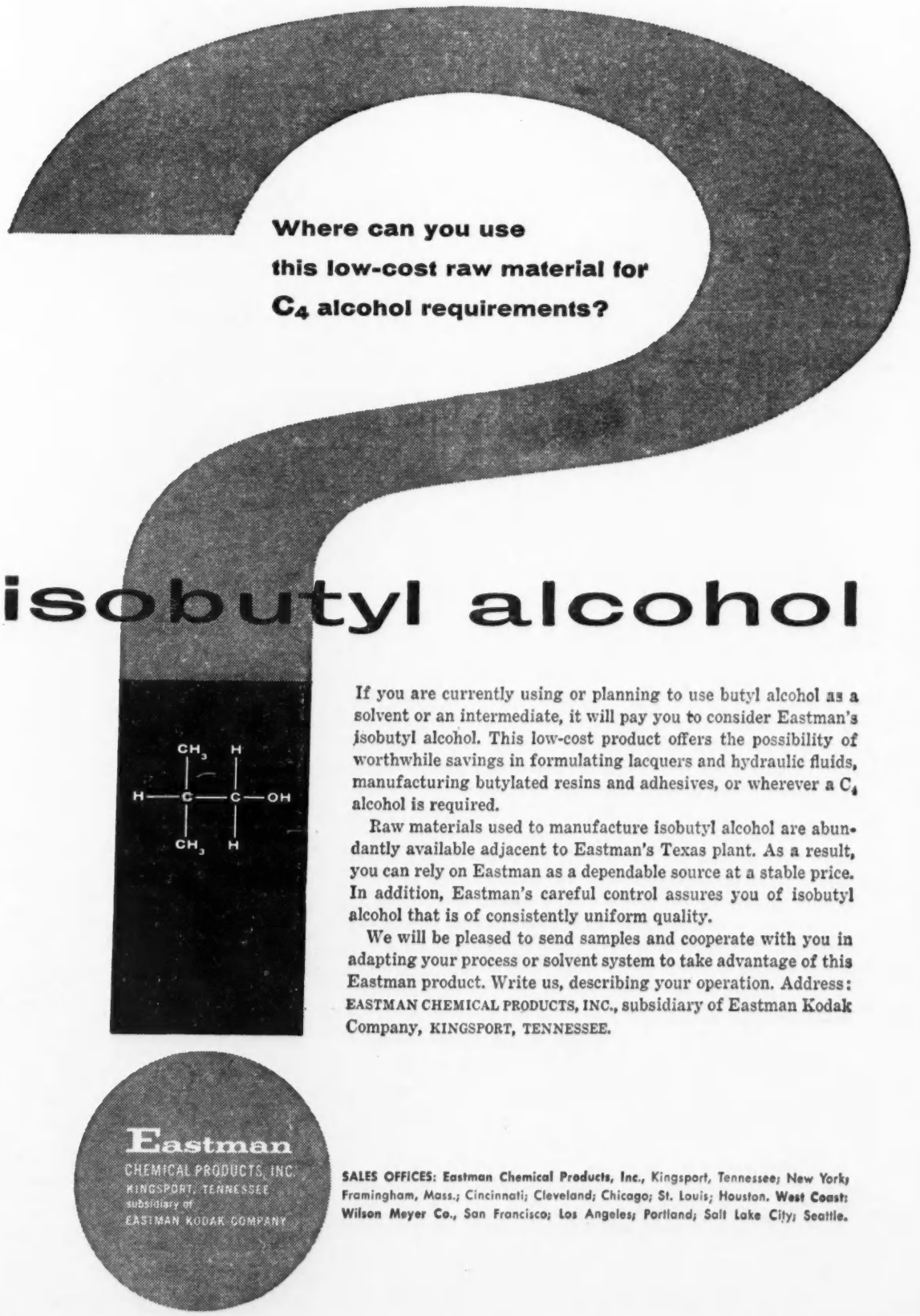
L

Lactose, edible, fib. dms., 30,000-lb. lots, works lb. .19½- —
2,000-lb. lots, works.....lb. .20¼- —
200-1,800-lb. lots, works....lb. .20¾- —
Edible lactose in bgs. 1c. lower.
Fermentation grade, bgs., c.l., works lb. .08½- —
USP, fib. dms., 30,000-lb. lots, works lb. .21½- —
2,000-lb. lots, works.....lb. .22¼- —
200-1,800-lb. lots, works....lb. .22¾- —
USP lactose in bgs. 1c. lower.
Lady's slipper root, bls.....lb. 1.70 - 1.75
Lanolin, cosmetic, dms., works..lb. .28 - .30
USP, anhyd., dms., works.....lb. .26 - .28
hydrous, dms., works.....lb .25 - .27
Lard, cash, dms., Chicago.....lb. 11.75 - —
Larkspur seed, bgs.....lb. .20 - .23
Laurel leaves, Greek, bls.....lb. .12 - —
Portuguese, bls.....lb. .11 - —
Turkey, bls.....lb. .25 - —
Yugoslavia, bls.....lb. .11 - —
n-Lauryl methacrylate, dms., c.l. or t.l. works lb. .65½- —
Lavender flowers, medium, bls..lb. .75 - .80
ord., bls.....lb. .25 - .40
select., bls.....lb. .90 - —
Lead acetate, white, cryst., bbls..lb. .23½- —
gran., bbls.....lb. .24½- —
powd., bbls.....lb. .24½- —
NF, cryst., gran., powd.....lb. .32½- .33½
Arsenate, acid powder, dealers, 3-lb. bgs. or larger, c.l., frt. alld on 96 lbs. or more lb. .27½- —
l.c.l., frt. alld.....lb. .28½- —
1-lb. bgs., c.l.....lb. .41½- —
l.c.l.....lb. .42½- —
Blue, basic sulfate, bbls., c.l., shipt. point, frt. alld lb. .17¼- —
l.c.l., same basis.....lb. .18¼- —
Carbonate (see Lead, white, basic carbonate).
Chloride, dms.....lb. .45 - —
Iodide, NF, V jars.....lb. 3.82 - —
Linoleate fused, 26%% Pb, dms. lb. .33 - —
Metal pigs, prime, N. Y.....lb. .16 - —
St. Louis.....lb. .1580 —
Metallic paste, dms., 20,000-40,000-lb. lots, works lb. .33¾- —
10,000-20,000-lb. lots, same basis lb. .34¾- —
200-2,000-lb lots, same basis, lb. .35¼- —
Prices ex whse. Jersey City, N. J., 4½c. per lb. higher.
Monosilicate, bgs., c.l., works, frt. equald lb. .20 - —
l.c.l., same basis.....lb. .2075- —
Naphthenate, liq. 16% Pb, dms., dlvd lb. .17 - —
24% Pb., dms., dlvd.....lb. .21 - —
solid, 37% Pb., dms., dlvd....lb. .27½- —
Nitrate, bbls.....lb. .23¾- —
Orthosilicate-silica gel, 50-60% PbO dms. works lb. .29¾- .34¼
Peroxide, tech., powd., bbls...lb. .38¾- .40¼
Phthalate, dibasic, dms. works.lb. .41 - —
Red, 95% Pb_3O_4, or less, bbls., c.l., works, frt. alld lb. .18½- —
l.c.l., same basis.....lb. .19 - —
97% Pb_3O_4, bbls., c.l., same basis. lb. .18¾- —
l.c.l., same basis.....lb. .19¼- —
98% Pb_3O_4, bbls., c.l., same basis. lb. .19 - —
l.c.l., same basis.....lb. .19½- —
Resinate, precip., 23% Pb, dms., dlvd lb. .32½- —
Salicylate, normal, dms., works. lb. .46 - —
Silicate (see Lead, white, basic, silicate)
Sulfate (see Lead, blue, basic sulfate Lead white basic sulfate)
Tallate, liq., 16% Pb, dms.....lb. .15 - —
24% Pb., dms.....lb. .18½- —
solid, 30%.....lb. .23¼- —

Lead, white, basic carbonate, bgs., c.l., shipt. point, frt. alld..lb. .19 - —
l.c.l., same basis.....lb. .20 - —
silicate, bgs., c.l., shipt. point, frt. alld..lb. .17¼- —
l.c.l., same basis.....lb. .18¼- —
sulfate, bgs., c.l., shipt. point, frt. alld..lb. .17¼- —
l.c.l., same basis.....lb. .18¼- —
Lecithin, edible, tech., bleached, non-ret. dms., c.l., works lb. .15 - .17
l.c.l., same basis.....lb. .15½- .17½
unbleached, non-ret. dms., c.l., same basis lb. .13 - .15
t.c.l., same basis.....lb. .14½- .16½
dl-Leucine, dms., works.....lb. 12.25 -15.00
Licorice root, whole, bbls.....lb. .10 - .12
gran., bbls.....lb. .15 - .17
powd., bbls.....lb. .12 - .15
Lignosulfonate, 70% tannin, bgs., c.l., works lb. .06½- —
t.c.l., works.....lb. .06¾- —
Lime, chemical (quicklime), bulk, c.l., metropolitan, N. Y. destination, freight equalized with nearest producing point..ton. 18.71 - —
Hydrated, bulk, c.l., same basis ton. 20.21 - —
Spray, bgs., c.l., same basis ton. 23.21 - —
Lime salts (see Calcium).
Lime-ammonium nitrogen 20.5% N (see Ammonium nitrate with dolomite).
Limestone, grd., bgs., works ton. 3.50 - 4.00
Linalool, ex bois de rose oil, dms. lb. 5.35 - 6.85
ex lignaloe wood oil, dms.....lb. 5.30 - 7.10
Linalyl acetate, ex bois de rose, 90-92%, dms lb. 5.40 - 5.80
96-98%, dms.....lb 6.75 7.15
ex petitgrain, bots.....lb. 5.93 - 6.70

Lindane, 25% formulation, dealers, dms., frt. alld lb. 1.00 - 1.09
99%, tech., formulators, dms., frt. alld lb. 2.65 - 3.25
Linden flowers with leaves, bls lb. .30 - —
without leaves, bls lb. .35 - —
Linseed meal, expeller, 32-34% bulk, Midwest, mills ton. 52.50 -53.50
extracted, 36%, bulk, same basis. ton. 46.50 -47.00
Litharge, coml., powd., bbls., c.l., works, frt. equald lb. .17½- —
l.c.l., same basis.....lb. .18 - —
Lithium benzoate, dms.....lb. 1.65 - 1.67
Bromide, NF, dms., works, frt. equald lb. 2.30 - —
Carbonate, NF, dms., c.l., t.l., dlvd lb. 1.29½- —
ton lots to t.l., dlvd...lb. 1.30 - —
tech., dms., c.l., t.l., dlvd., frt. alld., works lb. .82 - 1.10½
l.c.l., same basis.....lb. 85 - 1.11½
Chloride, CP, anhyd., ton lots tech., anhyd., dms., c.l., t.l., dlvd., or works, frt. alld. lb. 1.28½- —
lb. 1.00 - 1.05
l.c.l., same basis.....lb. 1.05 - 1.05½
Citrate, NF, dms.....lb. 1.60 - 1.64
Fluoride, bbls., 10,000-lb. lots, dlvd lb. 2.17½- —
ton lots, dlvd.....lb. 2.18½- —
less ton lots, dlvd.....lb. 2.23½- —
Hydride, powd., dms., 500-lb. lots, works lb. 10.50 -12.50

Lithium hydroxide, monohydrate, dms., c.l., t.l., dlvd. or works, frt. alld lb. .80 - .80½
l.c.l., same basis.....lb. .81 - 81½
Manganite, dms., works.....lb. .95 - 1.15
Nitrate, tech., dms., 100-lb. lots. lb. 1.25 - —
Salicylate, dms.....lb. 1.60 - 1.70
Silicate, dms., works.....lb. 1.10 - 1.30
Stearate, dms., c.l., works....lb. .47½- —
ton lots, works.....lb. .48½- —
less-ton lots, works.....lb. .53½- —
Sulfate, dms., 100-lb. lots.....lb. 1.45 - —
Titanate dms., works.....lb. 1.15 - 1.35
Lithopone ord., bgs., c.l., dlvd lb. .07½ —
l.c.l., dlvd.....lb. .08¼- .08½
titanated (high-strength), bgs., c.l., dlvd lb. .10 - —
l.c.l., dlvd.....lb. .11 - —
Lithopone prices, Pacific Coast, 1c. per lb. higher.
Lobelia herb, bls.....lb. 1.50 - —
Lobeline sulfate, bots., works oz. 37.50 -39.00
Logwood extract, cryst., No. 1, bbls., l.c.l lb. .41 - —
No. 2, bbls., l.c.l.....lb. .39 - —
liq., No. 1, bbls., l.c.l.....lb. .20 - —
No. 2, bbls., l.c.l.....lb. .19 - —
No. 3, bbls., l.c.l.....lb. .18½- —
solid No. 1, boxes, c.l.....lb. .35 - —
Lycopodium, cs.....lb. 1.20 - 2.00
dl-Lysine hydrochloride, bots kilo. 140.00 -150.00



If you are currently using or planning to use butyl alcohol as a solvent or an intermediate, it will pay you to consider Eastman's isobutyl alcohol. This low-cost product offers the possibility of worthwhile savings in formulating lacquers and hydraulic fluids, manufacturing butylated resins and adhesives, or wherever a C_4 alcohol is required.

Raw materials used to manufacture isobutyl alcohol are abundantly available adjacent to Eastman's Texas plant. As a result, you can rely on Eastman as a dependable source at a stable price. In addition, Eastman's careful control assures you of isobutyl alcohol that is of consistently uniform quality.

We will be pleased to send samples and cooperate with you in adapting your process or solvent system to take advantage of this Eastman product. Write us, describing your operation. Address: EASTMAN CHEMICAL PRODUCTS, INC., subsidiary of Eastman Kodak Company, KINGSPORT, TENNESSEE.

Eastman
CHEMICAL PRODUCTS, INC.
KINGSPORT, TENNESSEE
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EASTMAN KODAK COMPANY

SALES OFFICES: Eastman Chemical Products, Inc., Kingsport, Tennessee; New York; Framingham, Mass.; Cincinnati; Cleveland; Chicago; St. Louis; Houston. West Coast: Wilson Meyer Co., San Francisco; Los Angeles; Portland; Salt Lake City; Seattle.

M

Mace, Siauw, siftings, bls. ..... lb. 2.35 - 2.75
West Indian, No. 1, bls. shipment lb. 3.00 - —
Magnesia calcined, tech. bgs. ctns., works lb. 25¼ - 26
syn. rubber grade [illegible] c.l., works lb. .29¼- —
extra light, bgs., works lb. 2[illegible] - .30
t.c.l., works lb .30 - —
USP, light, ctns. lb. .35 - .36
heavy, bbls lb. 45 - .52
Magnesite chemical grade, calcined, powd., bgs., c.l., works frt. equald ton 82 50 - —
dead burnt, standard grain, bulk c.l., Chawelah, Wash ton.40 00 - —
Magnesium bromide, jars ..... lb. .90 - 1.00
Carbonate, tech., bgs., c.l., frt. equald lb. .10½- —
t.c.l., frt. equald lb. .12 - .13
truckloads, frt. equald lb. .11 - —
USP, bgs., c.l., frt. equald lb. .12½- —
t.l., frt. equald lb. .13 - —
t.c.l. frt equald lb .14 - .15

Above prices are quoted f.o.b. works, freight equalized with metropolitan New York and competitive producing points.

Chloride, anhyd., 92% flake or pebble, dms., c.l., works lb. .12¾- —
t.c.l., same basis lb. .14 - .15
Magnesium chloride, hydrous, 99% flake, bgs., c.l., works ton.50.00 - —
t.c.l., works ton.55.00 -105 00
Gluconate, dms., cns. lb. 1.34 - 1.41
Hydroxide, NF, medicinal, bbls., dms., kgs lb. .26½- .30
Metal, 99.8% ingots, 10,000 lb. lots or more, works lb. .32½- —
pigs, 10,000-lb. lots or more, works lb. .33¼- —
sticks, cs., works frt alld. on carlots lb. .53 - —
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works lb. 1.00 - 1.05
Phosphate, tribasic, NF, bbls lb. .75 - —
Silicate (see Talc).
Silicofluoride, dms., works lb. .10 - .11½
Sulfate, tech., bgs., c.l., works 100 lbs. 2.15 - —
t.c.l., works 100 lbs. 2.90 - 3.15
USP, cryst., bgs., c.l., works. 100 lbs. 2.35 - —
t.c.l., 5,000 lbs., 1 withdrawal 100 lbs. 3.10 - —
smaller lots 100 lbs. 3.35 - —
Trisilicate, USP, dms., 5,000-lb. lots lb. .38 - —
1,000-lb. lots lb. .40 - —
100 lb. lots lb. .45 - —

Bulky and super grades of magnesium trisilicate, 7c. per lb. higher.

Malathion, dms., c.l., works lb. .90 - —
t.c.l., works lb. .92 - 1.02
Maleic anhydride, dms., c.l., dlvd. E lb. .27 - —
t.c.l., dlvd E lb. .28 - —
tanks, dlvd E lb. .26 - —

Prices on maleic anhydride W. of Rockies, 1½c. higher.

Mandrake root, bls. lb. .55 - .60
Manganese acetate, bbls., dlvd lb. .35 - —
Arsenate, bgs. lb. .16 - —
Borate, tech., fib. dms. lb. .25 - —
Carbonate, bbls., works lb. .22 - —
Chloride, anhyd., dms., works lb. .25½- —
Dioxide, African, 84-87%, 40,000 to 99,999-lb. lots, burlap paper lined, bgs., gross for net, works ton.97.00 - —
paper bgs., works ton.93.50 - —
dms., works ton.101.50 - —

Prices for manganese dioxide in 10,000 to 40,000-lb. lots $3 per ton higher.

Gluconate, dms. lb. 1.80 - 1.94
Hydrate, bbls., dlvd lb. .36 - —
Hypophosphite, NF, dms lb. 3.52 - —
Linoleate, liq., 4.35% Mn., dms. lb. .32½- —
solid, precip., 8.2% Mn. bbls lb. .37½- —
Naphthenate, liq., 6% Mn., dms., frt. alld lb. .27 - —
Resinate, fused, 3½% Mn, dms. lb. .24 - —
precip., 6½-7% Mn, dms lb. .28 - —
Sulfate, fertilizer grade, 65%, bgs., c.l., dlvd. S. E. ton.80.50 - —
t.c.l., dlvd. S. E. ton.87.50 - —
Tallate, 6%, dms lb. .24 - —
Mangrove bark, E. African, 35% tannin, c.l., ex dock ton.67.00 - —
So. American 30% tannin, c.l., tannin, c.l., ex dock ton.55.00 -58.00
Mannitol, com'l, fib. dms., ton lots, works lb. .60 - —
dms. to ton lots, works lb. .62 - —
single dm., works lb. .65 - —
MBT (see 2-Mercaptobenzothiazole).
MBTS (see Mercaptobenzothiazyl disulfide).
Melamine, bgs., ton lots, works lb. .33 - —
500 to 2,000-lb. lots, works lb. .33½- —
smaller lots, works lb. .38½- —
Menadione, USP, bots. gram. .044 - .05
Menthol, nat., USP, Brazilian, cs. lb. 6.30 - 6.40
syn., USP, racemic, cns. lb. 4.95 - —
Menthyl salicylate, tins lb. 4.00 - 4.25
2-Mercaptobenzothiazole, bgs., fib. dms., ton-lots, works, frt. alld lb. .40 - —
less ton lots, same basis lb. .42 - —
Mercaptobenzothiazyl disulfide, bgs., fib. dms., ton-lots, works, frt. alld lb. .50 - —
less ton lots, same basis lb. .52 - —
Mercuric chloride, NF, cryst., dms., 50-lb. lots or more lb. 4.98 - —
gran., or powd., dms., 50-lb. lots or more lb. 4.78 - —
Cyanide, NF VIII, powd., fib. dms. lb. 6.84 - —
Iodide, red, NF, fib. dms lb. 7.72 - —
Oxide, red, NF, powd., fib. dms lb. 5.90 - 6.01
yellow, tech. (see Yellow, mercury oxide).
USP, fib. dms lb. 6.14 - —
Mercurous chloride (see Calomel).
Iodide, yellow, NF lb. 7.72 - —
Mercury, ammoniated (see White precipitate, USP).
Metal, 76 lb. per flask, net-flask.258.00 -262.00
Mesityl oxide, dms., c.l., dlvd lb. .1350- —
t.c.l., dlvd. lb. .1450- —
tanks, dlvd. lb. .1150- —
Meta-aminophenol (see m-Aminophenol).
Metachloroaniline (see m-Chloroaniline).
Metanitroaniline (see m-Nitroaniline).
Metanitroparatoluidine (see m-Nitro-p-toluidine).
Metaphenylenediamine (see m-Phenylenediamine).
Metatoluidine (see m-Toluidine).
Metatolylenediamine (see 2,4-tolylenediamine).
Methanol, nat., denaturing grade, tanks, frt. alld gal. .75 - —
syn., Zone 1, dms., c.l., dlvd., or truckload min., frt. alld. gal. .45 - —
t.c.l., same basis gal. .51 - —
tankwagon, 2,000-4,000-gal. lots, dlvd. Metropolitan area gal. .33 - —
4,000 gal., min., frt. alld. or dlvd gal. .30 - —
4,000 gal., min., works, Carteret, Camden, N. J gal. .27½- —
Zone 2, dms., c.l., or truckload min. frt. alld. or dlvd gal. .48 - —
t.c.l., same basis gal. .54 - —
tankwagon, 2,000-4,000-gal. lots, min., dlvd. Metropolitan areas gal. .36 - —
tanks, 4,000 gal., min., frt. alld. or dlvd gal. .33 - —

Synthetic methanol zones are:—Zone 1 is all continental U. S. E. of eastern boundaries of Ariz., Idaho and Utah. Zone 2 is remainder of U. S. west of above state boundaries comprising Ariz., Calif., Idaho, Nev., Ore., Utah and Wash.

Methenamine (see Hexamethylenetetramine).
di-Methionine, fib. dms., frt. alld. 50-lb. or more lb. 3.50 - —
feed grade, 98%, fib. dms., same basis lb. 2.65 - —
Methoxychlor, 50% wettable powder, dealers, dms., cs., frt. alld lb. .61 - .64
Methyl abietate, non-ret. dms., c.l., dlvd. zone 1 lb. .20½- —
t.c.l., same basis lb. .21 - —
hydrogenated, non-ret. dms., c.l., dlvd. Zone 1 lb. .21 - —
t.c.l., same basis lb. .21½- —

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn.; St. Louis, Mo.; Miss., Ala., Ga., Fla., S. C. and Tenn.

Acetone, nat., dms., t.c.l., E. of Miss., frt. alld gal. .62½- —
syn., dms., c.l., frt. alld. E. gal. .57 - —
t.c.l., frt. alld E. gal. .63 - —
tanks, frt. alld E. gal. .45 - —

Synthetic methyl acetone E. territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory all states west of those four.

Acrylate, dms., c.l., t.l., dlvd. lb. .39 - —
t.t.l., dlvd. lb. .40 - —
tanks, dlvd. lb. .37 - —
Alcohol (see Methanol).
Amyl acetate, dms., c.l., dlvd. E. lb. .15½- —
t.c.l., dlvd. E. lb. .16½- —
tanks, dlvd. E. lb. .13½- —
Ketone, dms., works lb. 1.05 - —
Anthranilate, cns lb. 2.50 - 2.65
Benzoate, cns., dms lb. .53 - .65
Bromide, jobbers, cyls., various sizes, frt. alld. E lb. .47 - .61
Cellulose, special vis., (1,500-4,000 cps.) 50-lb. bgs., c.l., works, lb. .78 - —
2,000-lb. lots and more, same basis lb. .85 - —
smaller lots, frt. alld. on 100 lbs. lb. .89 - 1.00
standard vis., 15,400 cps.), 50-lb., bgs., c.l., frt. alld lb. .66 - —
2,000-lb. lots and more, same basis lb. .73 - —
smaller lots, frt. alld. on 100 lbs lb. .75 - .88
Chloride, indust., cyls., frt. equald. lb. .21 - —
tanks, multi-unit, same basis lb. .15 - —
single unit, same basis lb. .11¼- —
refrigerator mfrs., cyls., dlvd. lb. .46 - .48
other consumers or service men, cyls., dlvd lb. .67 - —
Chloroform (see 1,1,1-trichloroethane).
Cinnamate, cns. lb. 1.43 - 1.80
Cyclohexanol, dms., c.l., works. lb. .35½- —
t.c.l., works lb. .36 - —
tanks, works lb. .34 - —
Ethyl ketone, dms., c.l., dlvd. lb. .13½- —
t.c.l., dlvd. lb. .14½- —
tanks, dlvd. lb. .11½- —
Formate, refd., dms. lb. .35 - .40
tech., non-ret. dms., any quantity, works lb. .10 - —
Heptin carbonate, bots lb. 33.00 -42.00
p-Hydroxybenzoate, fib dms. lb. 1.90 - 2.00
Ionone, standard, cns., dms. lb. 5.20 - 5.50

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Throughout the nation, more and more homemakers are buying liquid detergent formulations in vast quantities—and sales figures are still growing. If you're a processor who is looking for an economical raw material that can mean much to you in profits and sales, consider NEOLENE 400.
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In addition to NEOLENE 400, you can count on Conoco for:
WATER-SOLUBLE SULFONATES produced from NEOLENE 400. Available as sulfonate slurry, sulfonic acid, or in spray-dried and drum-dried forms.
OIL-SOLUBLE SULFONATES manufactured by sulfonating synthetically produced hydrocarbon under closely controlled conditions.
CONOCO H-300, secondary plasticizer for vinyls—outstanding light stability... improved low-temperature flexibility . . . viscosity depressant and stabilizer.
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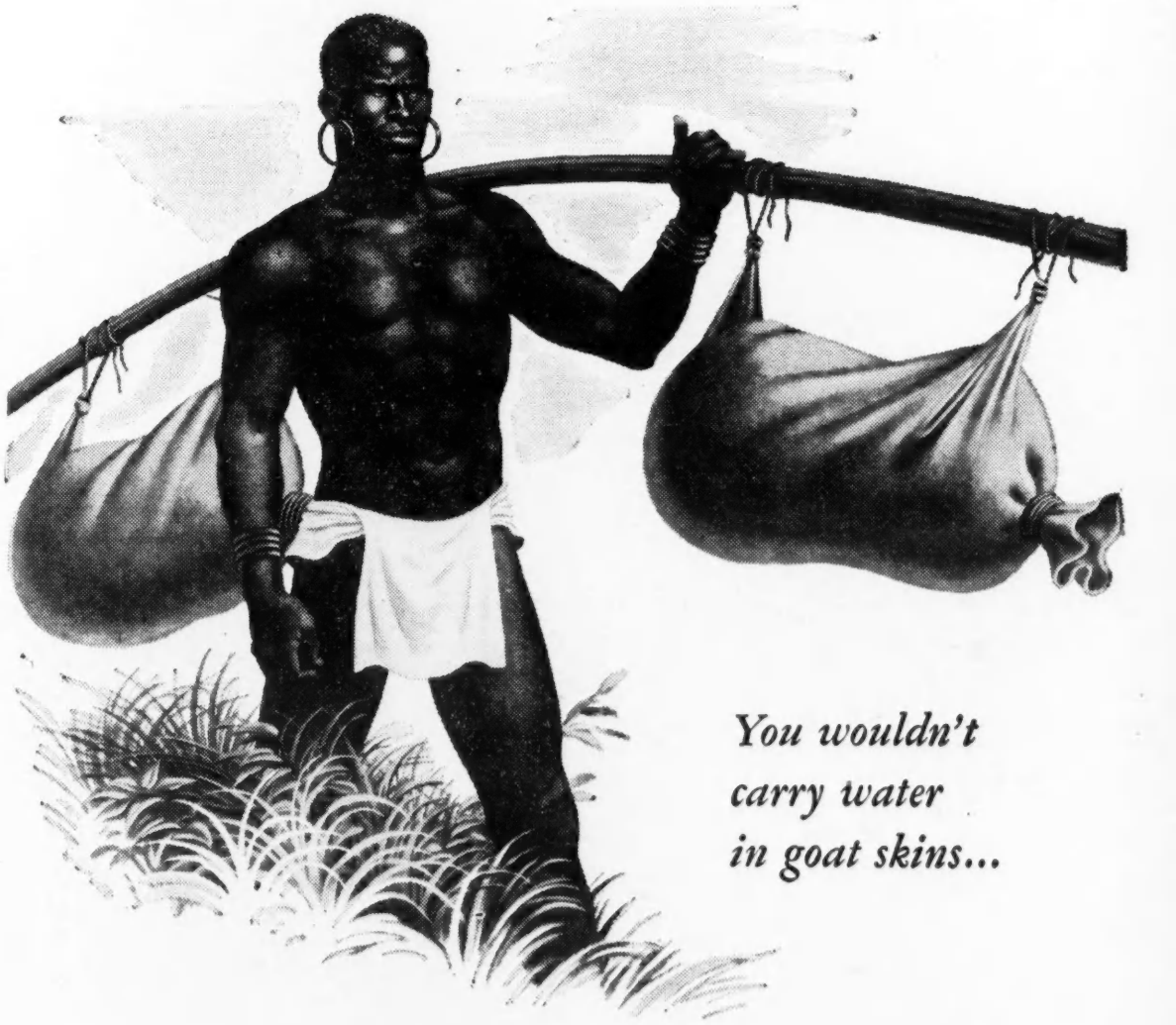
Methyl isobutyl carbinol, dms., c.l., dlvd. lb. .15½- —
l.c.l., dlvd. lb. .16½- —
tanks, dlvd. lb. .13½- —
Ketone, dms., c.l., dlvd. lb. .15½- —
l.c.l., dlvd. lb. .16½- —
tanks, dlvd. lb. .13½- —
Methacrylate, dms., c.l., f.l., frt. equald with Belle, W. Va. lb. .31 - —
smaller lots, same basis lb. .31½- —
tanks, same basis lb. .29 - —
Naphthyl ketone, cryst., cns. lb. 3.00 - 4.30
Parahydroxybenzoate (see Methyl p-Hydroxybenzoate)
Roseaniline chloride, NF, fib. dms., 5-lb. lots lb. 5.64 - —
Salicylate, USP, cns., 500-lb. lots lb. .56 - —
Testosterone USP 100-gram lots, gram. .68 - —
2-Methylbenyziamine, dms., t.c.l., works lb. 1.25 - —
2-Methylbenzyl dimethylamine, dms., c.l., works lb. 1.89 - —
t.c.l., works lb. 1.90 - —
2-Methyl-5-ethyl pyridine dms., c.l., works lb. .445 - —
l.c.l., works lb. .45 - —
tanks, works lb. .43 - —
Methylene blue, fib. dms., 100-lb. lots, frt. adjusted lb. 3.25 - 3.60
smaller lots same basis lb. 3.40 - 3.60
Chloride, tech., dms., c.l., dlvd. E lb. .12½- —
l.c.l., same basis lb. .15 - —
tanks, same basis lb. .11¼- —
b-Methylnaphthalene, 32°C. m.p., dms., works lb. .90 - —
Methylpentanediol (see Hexylene glycol).
Methylphenylpyrazolone (see 1-Phenyl-3-methylpyrazolone-5).
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint plastic, 100 mesh, bgs., c.l., works lb. .04¼- —
roofing, 20 to 80 mesh, works lb. .03 - .04
wet-grd., biotite, bgs., c.l., works, frt. alld. E lb. .06¾- —
l.c.l., ex-whse. or frt. alld. E lb. .07½- —
paint or lacq., bgs., c.l., works, frt. alld. lb. .08¼- —
l.c.l., ex-whse. or frt. alld. E lb. .09 - —
rubber, bgs., c.l., works, frt. alld. E lb. .08 - —
l.c.l., ex-whse. or frt. alld. E lb. .09 - —
wallpaper, bgs., c.l., works, frt. alld., E lb. .08¼- —
l.c.l., ex-whse. or frt. alld. E lb. .08¾- —
white, extra, fine, bgs., c.l., works, frt. alld. E lb. .08¼- —
l.c.l., ex-whse. or frt. alld. E lb. .09 - —
Mica, wet-grd. W. of Miss. ½c. higher; W of Rockies, 1c. higher.
Mineral spirits (see Petroleum mineral spirits).
Molasses, blackstrap feed grade, tanks, New Orleans gal. .13 - .13½
New York gal. .16 - —
Molybdenum (metal), powd., 80 or 200 mesh, ctns., works kilo. 8.80 - —
Trioxide, pure, dms., works lb. 1.10 - —
tech., dms., works, basis Mo. content lb. 1.31 - —
Monobutylamine, dms., c.l., E. of Rockies lb. .53 - —
l.c.l., same basis lb. .56 - —
tanks, same basis lb. .53 - —
Monochlorobenzene, dms., c.l., frt. alld. or dlvd. E lb. .10 - —
l.c.l., same basis lb. .11 - —
tanks, same basis lb. .08½- —
Monoethanolamine, dms., c.l., dlvd. E lb. .27 - —
l.c.l., same basis lb. .28 - —
tanks, same basis lb. .25 - —
Monoethylalphanaphthylamine (see N-Ethyl-a-naphthylamine).
Monoethylamine, 70% contained amine, dms., c.l., dlvd. E lb. .35 - —
l.c.l., dlvd. E lb. .36 - —
tanks, dlvd. E lb. .33 - —
Monoethylaniline (see N-Ethylaniline).
Monoethylorthotoluidin (see N-Ethyl-o-toluidine).
Monoisopropanolamine, dms., c.l., dlvd. E lb. .27 - —
l.c.l., same basis lb. .28 - —
tanks, same basis lb. .25 - —
Monoisopropylamine, dms., c.l., dlvd. lb. .32 - —
l.c.l., same basis lb. .33 - —
tanks, same basis lb. .30 - —
Monomethylamine, 30-35% soln., dms., c.l., frt. equald, 100% basis. lb. .40 - —
l.c.l., frt. equald 100% basis. lb. .40½- —
tanks, frt. equald 100% basis. lb. .31 - —
40% soln., dms., c.l., frt. equald., 100% basis lb. .37 - —
l.c.l., frt. equald, 100% basis. lb. .37½- —
tanks, frt. equald, 100% basis. lb. .31 - —
Monosodium fluoroacetate (see Sodium fluoroacetate monobasic).
Mono-tertiary-butylmetacresol (see 6-tert-Butyl-m cresol).
Glutamate (see Sodium glutamate monobasic).
Phosphate (see Sodium phosphate monobasic).
Morphine, cns. oz. 12.40 -12.60
Acetate, anhyd., cns. oz. 9.95 -10.00
Hydrobromide, cns. oz. 9.90 - 9.93
Hydrochloride, NF, cns. oz. 9.90 - 9.95
Sulfate, USP, cns. oz. 9.90 -10.03
Morpholine, dms., c.l., dlvd. E lb. .54¾- —
l.c.l., dlvd. E lb. .55¾- —
tanks, dlvd. E lb. .52¾- —
Musk, syn., ambrette, 100-lb. lots, fib. dms. lb. 5.13 - —
25-lb. lots, cns. lb. 5.20 - —
5-lb. lots, cns lb. 5.30 - —
ketone, 100-lb. lots, fib. dms. lb. 5.30 - —
25-lb. lots, cns lb. 5.35 - —
5-lb. lots, cns lb. 5.45 - —
xylol, 100-lb. lots, fib. dms. lb. 1.40 - —
25-lb. lots, cns. lb. 1.45 - —
5-lb. lots, cns. lb. 1.50 - —
Mustard seed, Danish, yellow, bgs lb. .11 - .12
Dutch, bgs. lb. No prices.
English, yellow, bgs. lb. .11½- .12
Montana, oriental, bgs. lb. .10½- —
Myrobalans, J-1, assorted, bgs., ex dock ton. 63.00 -64.00
crushed, bgs., ex dock ton. 76.00 - —
Bombay, bgs., ex dock ton. 62.00 - —
extract, Indian, solid, 55% tannin, bgs., ex dock, plus duty lb. .10 - .10¼

N

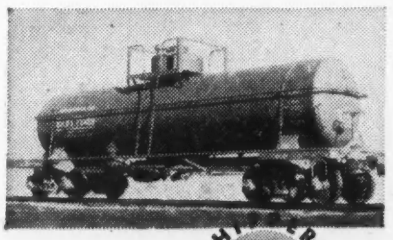
Naphtha, painters (see Petroleum naphtha V. M. & P.).
Solvent (see S)
Naphthalene, crude, dom., 74°, tanks, frt. equald lb. .06¼- —
78°, bgs., c.l., same basis lb. .07½- .08
l.c.l., same basis lb. .07¾- .08¼
tanks, same basis lb. .07 - —
imp., 78°, large lots lb. .07 Nom.
refd., indust., chipped or crushed, bgs., frt. equald lb. .12½- —
tanks, same basis lb. .11¾- —
balls, flakes, wholesalers, jobbers, bbls., c.l., same basis, lb. .15½- —
cs., 50 lbs., c.l., same basis lb. .15¾- —
1-lb. pkgs., c.l., same basis. lb. .18½- —
a-Naphthol, bbls., frt. alld lb. 1.00 - —
b-Naphthol, tech., flake, bbls., c.l., works lb. .33 - —
l.c.l., works lb. .35 - —
Benzoate, fib. dms., works lb 3.00 - —
custom contract, works lb 1.65 - —
Salicylate, dms lb 5.00 - —
Sulfate, cns lb. 35.00 - —
a-Naphthylamine, bbls. frt alld lb .50 - —
b-Naphthylamine, tech. flake, bbls., works lb. 1.60 - —
Neocinchophen, USP, dms., frt. adjusted lb. 7.00 - 8.00
Neomycin, fib. dms., 1 kilo lots, basis, activity gram. .43 - —
500-999 gram lots, basis, activity gram. .50 - —
Nerolin, cns. lb. 2.15 - 2.65
Niacin (see Acid nicotinic).
Niacinamide (see Nicotinamide).
Nickel acetate, bbls., dlvd. lb. .77 - .90¼
Carbonate bbls., dlvd. lb. .73¾- .81¾
Chloride, bbls., dlvd. lb. .38½- .46½
Formate, bbls., ton lots, frt. alld. lb. .68 - .69
Metal, electro cathodes, cs., works lb. .64½- —
Nitrate, bbls., works lb. .37 - .38
Oxide, black, bbls. lb. .76 - —
green bbls. lb. .76 - —
Sulfate, bgs., c.l., dlvd. lb. .30¼- —
l.c.l., dlvd lb. .31¼- .38¼
Nicotinamide, USP, dms., frt. adjusted kilo. 12.00 -12.30
Hydrochloride dms. frt. adjusted. kilo. 11.50 -11.80
Nicotine sulfate, 40%, dealers, 50-lb. dms., frt. alld lb. 1.20 - —
manufacturers, 500-lb. dms., frt. alld lb. 1.05 - —
Niger seed, bgs. lb. .11 - .11½
Nikethamide, cbys lb. 7.50 - —
m-Nitroaniline, cryst., dms., frt. alld. lb. 1.15 - —
paste, 100% basis, dms., frt. alld. lb. 1.10 - —
o-Nitroaniline, flaked, 10,000 lbs. or more, dms. lb. .54 - —
less than 10,000 lbs. lb. .57 - —
p-Nitroaniline, dms., frt. alld. lb. .445 - —
Nitrobenzene, dbl. dist., dms., c.l., frt. alld lb. .12 - —
l.c.l., frt. alld lb. .13 - —
tanks, frt. alld lb. .11 - —
Nitrocellulose, ester-soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15-20, 30-40, 60-80, 125-175, secs., bbls., c.l., works lb. .34 - —
t.c.l., same basis lb. .35 - .37
18-25 cps., bbls., c.l., same basis lb. .36 - —
t.c.l., same basis lb. .37 - .39
250-400, 600-1,000 secs., bbls., c.l., same basis lb. .39 - —
t.c.l. same basis lb. 40 - 42
spirit-soluble, 30-35 cps., ¼, ½, secs., bbls., c.l., same basis lb. .41 - —
t.c.l., same basis lb. 42 - 44
5-6 cps., 40-60 secs., bbls., c.l., same basis lb. .40 - —
t.c.l., same basis lb 41 - 43
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra but returnable.
o-Nitrochlorobenzene, dms. c.l., frt. alld lb. 20 - —
l.c.l., same basis lb. 21 - —
tanks, same basis lb. .18 - —
p-Nitrochlorobenzene, dms. lb. .26 - .27
2-Nitro-4-chlorophenol, dms lb. .75 - —
Nitroethane, dms., c.l., dlvd. E lb. .24 - —
l.c.l., dlvd. E lb. .24¾- —
tanks, dlvd. E lb. .22½- —
Prices West of Rockies are 1c. higher.



You wouldn't carry water in goat skins...

...so why ship liquids the old fashioned way?

SWITCH TO SHIPPERS' CAR LINE FOR MODERN TANK CAR SERVICE



Shippers' Car Line is the exclusive sales agent and lessor of the ACF-built DURADOME tank car. When you buy or lease from Shippers' you get the finest tank cars available today. What's more . . . SHPX tank cars comprise the most modern fleet in operation . . . backed by ACF engineering and a nationwide network of car repair shops to assure modern, efficient maintenance. Contact your Shippers' representative for all the details of *modern* tank car service—developed through more than 35 years experience in the leasing, operation and maintenance of tank cars for industry.

SHIPPERS' CAR LINE — SHPX

SHIPPERS' CAR LINE CORPORATION

A subsidiary of ACF INDUSTRIES, Incorporated
30 Church Street, New York 7, N. Y.

CHICAGO, ILL. • HOUSTON, TEX. • SAN FRANCISCO, CAL. • MILTON, PA. • EAST ST. LOUIS, ILL. • SHACKOVER, ARK. • TULSA, OKLA. • NORTH KANSAS CITY, MO. • RED HOUSE, W. VA.

Nitrogen Solution—Oil, Palm

Nitrogen solution, 37%N, tanks, frt. equald. per ton of product basis ton 47.50 - —
40.8% N, tanks, same basis ton 52.15 - —
Nitrogenous process tankage, bulk, works unit-ton 3.75 - 5.10
Sewage sludge, bulk, works, unit-ton 2.95 + .50
Nitromethane, dms., c.l. dlvd. E lb .24 - —
l.c.l., dlvd E lb .24¾- —
tanks dlvd. E lb .22½- —
Prices West of Rockies are 1c. higher.
a-Nitronaphthalene, bbls., frt. alld. lb .41 - —
Nitropropane-1, and -2, dms., c.l., dlvd E lb .22½- —
l.c.l., dlvd E lb .23¼- —
tanks, dlvd. E lb .21 - —
Prices West of Rockies are 1c. higher.
o-Nitrophenol, dms. works frt. equald lb .94 - —
p-Nitrophenol, dms., works, frt. equald lb .50 - —
o-Nitrotoluene, dms. c.l. frt. alld lb .10 - —
l.c.l. frt alld lb .11 - —
tanks frt alld lb .09 - —
p-Nitrotoluene, dms., works lb .33 - —
m-Nitro-p-toluidine, dms lb 1.59 - —
Nitrous ether, cone, bots 100-lb. lots lb 1.28 1.35
Nonyl phenol, dms. c.l. frt. alld. lb .26 - —
l.c.l. frt alld lb .27 - —
tanks, frt alld lb .24 - —
Nutgalls, Aleppo, bgs lb .36 - .38
Chinese, bgs. lb No prices.

Nutmeg, East Indian, bgs lb .66 - .68
West Indian, bgs lb .66 - —
Nux vomica, bls lb .10 - .12
powd., bbls., bxs lb .15 - .17

O

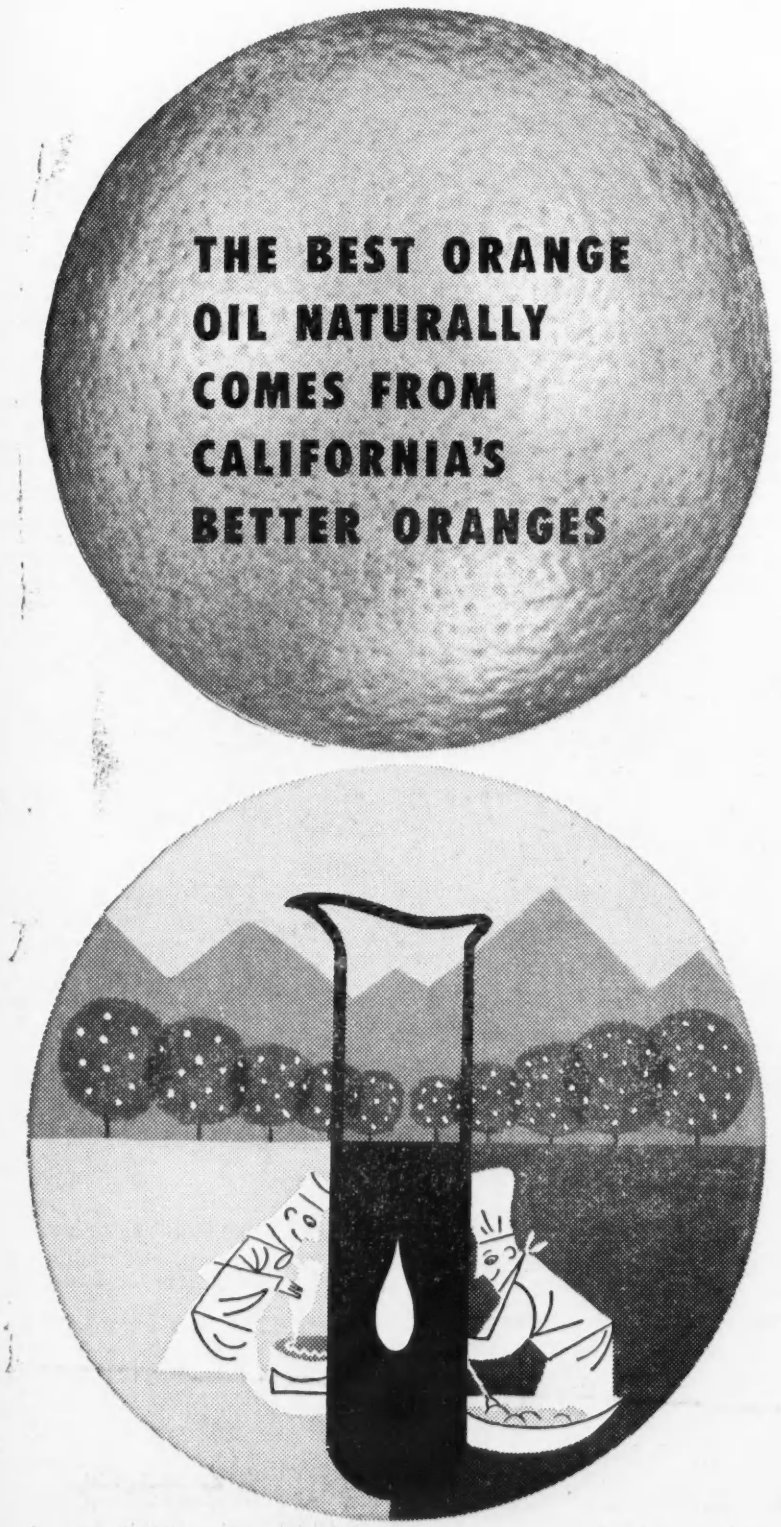
Octane, indust., tanks, Bayonne, N. J gal .19 - —
Baytown, Tex gal .15¾- —
Borger, Tex gal .15¾- —
l-Octanol, tech., dms., c.l., dlvd. lb .35 - —
l.c.l. dlvd lb .37 - —
tanks, dlvd lb .32½- —
Octyl phenol, bgs., c.l., works lb .23¼ —
l.c.l. works lb .23¾ —
tanks, works lb .22½- —
Drum prices for octyl phenol are 1c. higher.

(Essential oils prices listed below are f.o.b. New York, with differences between high and low quotations due to differences in quantity, quality or in individual suppliers' views.)

Oil, abies, siberica, cns lb 3.00 - 3.50
Almond, artif., bitter (see Benzaldehyde)
nat., bitter, F.P.A., bots lb 3.00 - 3.75
NF, bots. lb 3.25 - 3.75
sweet, USP, dms., cns lb 1.15 - —
Allspice (see Oil, pimento).
Amyris, dms lb 1.30 - —
Angelica root, bots lb 66.00 -100.00
seed, bots lb 56.00 - 95.00
Oil, aniline (see A).
Anise, USP, dms lb 3.15 - 4.00
Apricot, kernel, USP, dms lb .48 - —
Avocado, cns lb 3.25 - —
Bay, NF, Puerto Rican, 50-55%, cns lb 1.90 - 2.75
55-60%, cns. lb 2.10 - 2.50
West Indian, 50-55%, cns., dms., lb 1.85 - 2.40
Bergamot, nat., NF, Italian, cns. lb 8.50 -11.00
Birchtar, crude, cns lb 1.50 - 1.90
rectified, NF, cns lb 1.75 - —
Bois de rose, Brazil, dms lb 3.55 - 3.75
Mexican (see Oil, lignaloe wood).
Bone, dms., works lb .65 - 70
Cajeput, native, cns lb 1.75 - 2.10
redist., USP, cns lb 2.25 - 3.00
Calamus, bots lb 12.00 -20.00
Camphor, sassafrassy, dms lb .30 - .45
white, dms lb .29 - —
Cananga, native, cns lb 8.00 - 9.00
rectified, cns. lb 12.00 -14.00
Caraway, NF, cns lb 3.65 - 5.00
Capsicum (see Capsicum oleoresin).
Cardamom, NF, bots lb 36.00 -45.00
Cassia, USP (see Oil, cinnamon, USP).
Castor, blown, dms., c.l. lb .2100- —
l.c.l. lb .2150- —
dehydrated, bodied, dms., c.l lb .2310- —
l.c.l. lb .2360- —
tanks lb .2160- —
unbodied, dms., c.l lb .2160- —
l.c.l. lb .2210- —
tanks lb .2010- —
hydrogenated, bgs., c.l., dlvd. lb .21¾- —
l.c.l., dlvd. lb .27¾- —
No. 3, tech., dms., c.l lb .1625- —
l.c.l. lb .1675- —
tanks lb .1475- —
No. 1, Brazilian, tanks lb .15½- —
Oil, castor, USP, dms., c.l lb .1850- —
l.c.l. lb .1900- —
tanks lb .17 Nom.
refd. and deodorized, dms., c.l lb .2075- —
l.c.l. lb .2125- —
tanks .1925- —
sulfonated, 50%, dms., l.c.l. lb .11½- .12½
75%, dms., l.c.l. lb .14½- .15½
Cedarleaf, USP, XIII, cns., dms. lb 3.15 - 3.50
Cedarwood, cns., dms lb .65 - 1.00
Celery seed, bots lb 12.50 -20.00
Chamomile blue, Hungarian, bots. lb 90.00 -180.00
Chonopodium, NF, cns lb 3.65 - —
Cinnamon (see Oil, tung).
Cinnamon, bark, bots lb 25.00 -70.00
leaf, crude, dms lb 1.70 - 2.00
USP, cns., dms. (Cassia) lb 10.25 -10.90
Citronella, Ceylon, cns., dms lb .94 - —
Java, cns lb 2.00 - —
Java-type, cns lb 2.15 - —
Clove, bud, USP, cns., dms lb 2.65 - —
leaf, crude, dms lb 1.20 - 1.50
Coconut, crude, tanks, N. Y lb .12¼- —
Pac. Coast lb .11 - —
refd., Cochin type, dms., tax incl., l.c.l. lb .19 - —
deodorized, tax incl., dms., l.c.l. lb .21½- —
Cod, Newfoundland, dms lb .11½ Nom.
Codliver, USP, dms gal 1.45 - 1.55
Copaiba, cns lb 1.75 - 2.50
Coriander, USP, bots lb 13.00 -15.00
Corn, crude, tanks, works lb .15¼- —
foots (soapstock), acid 95%, tanks, N. Y lb .06⅜- —
refd., salad, dms lb .20¼- .20½
tanks lb .1585- —
Costus, bots oz 8.00 - —
Cottonseed, crude, tanks, South East lb .14⅜ Nom.
Valley lb .14½- —
Texas lb .14¼- .14⅜
foots (soapstock), acid 95%, tanks, N. Y lb .04 - —
refd., salad, dms lb .20 - .20½
tanks lb .18½- —
Creosote (see Creosote, coaltar)
Cubeb, cns. lb 4.10 - 4.25
Cumin, bots., cns. lb 5.00 - 5.75
Cypress, bots. lb 5.30 - —
Degras (see D).
Dillseed, bots. lb 2.80 - 4.25
Dillweed, dom., bots., dms. lb 3.10 - 3.50
Dip (see D)
Erigeron, cns lb 5.50 - 7.50
Eucalyptus, NF, rectified, 70-80%, dms lb .72 - 1.05
80-90%, dms lb .78 - 1.10
Fennel, sweet, USP, cns lb 2.80 - —
Fir, Canada, cns lb 2.50 - 3.00
Fish, refd., alkali, dms lb .1400- .1450
kettle-bodied, dms. lb .1630- .1680
light-pressed, dms. lb .1250- .1300
tanks lb .1100- —
Fishliver, crude, for feeds or concentrating 4,000 to 12,000 A units per gram, dms., 1,000,000 units. .08 - .09
10,000 to 20,000 A units per gram, dms., 1,000,000 units. .09 - .10
25,000 to 35,000 A units per gram, dms., 1,000,000 units. .09 - .10
40,000 to 55,000 A units per gram, dms., 1,000,000 units. .10½- .11
100,000 A units per gram., dms 1,000,000 units. .14 - —
200,000 A units per gram., dms 1,000,000 units. .15½- —
500,000 A units per gram., dms 1,000,000 units. .16 - —

Prices above are based on the USP XIV method of conversion, Morton Stubbs Corrected E x 1900.

Fusel (see F).
Garlic, pure, bots oz 4.75 - 9.50
Gaultheria (see Oil, wintergreen)
Geranium, Algerian, cns lb 12.75 -13.00
Bourbon, cns lb 13.25 -14.00
Turkish (see Oil palmarosa)
Ginger, dist., bots lb 17.85 -19.00
Grapefruit, dms. lb 1.80 - 3.25
Grease, No. 1, dms lb .15¼- .16¼
extra, winter, strained, dms lb .17¼- .18¼
prime, burning, dms lb .18¾- .19¾
Guiacwood, cns lb 1.75 - —
Hemlock, cns. lb 2.10 - 2.50
Juniper berry, NF, VIII, bots lb 2.75 - 4.00
twice rectified, bots lb 3.60 - 7.00
Tar, NF (see Juniper tar)
Wood, tech., cns. lb .38 - .55
Lard (see Oil, grease).
Laurel leaf, dms., cns lb 9.75 -12.50
Lavandin, dms., cns lb 2.35 - 2.85
Lavender, flower, USP, French 35-37% ester, cns lb 2.85 - 4.60
38-40% ester, cns lb 8.50 - 9.50
40-42% ester, cns lb 8.75 - —
spike, Spanish, cns lb 1.85 - 2.30
Lemon, USP, Calif., cns., dms lb 4.65 - 6.00
Messina, cns lb 5.50 - —
terpeneless, bots. lb 50.00 -85.00
Lemongrass, cns., dms lb 2.25 - 2.40
Lignaloe wood, Mex., cns lb 4.65 - —
Lime, dist., Mexican, cns lb 3.00 - 3.25
West Indian, cs lb 3.00 - 3.25
expressed, West Indian, cns lb 6.00 - 8.00
terpeneless, bots. lb 29.50 -100.00
Linseed, raw, dms., c.l., N. Y lb .1880- —
l.c.l. lb .1980- .2150
tanks (f.o.b. Minneapolis) lb .1550- —
New York lb .1680- —
tankwagon, New York lb .1720- .1730
Boiled linseed oil, 006c per lb higher.
Mace, dist cns., dms lb 4.75 - —
Mandarin (see Oil, tangerine).
Menhaden, crude, new crop, tanks, works, Atlantic & Gulf lb .08 - .08⅛
Mineral, white (see Oil, white mineral).
Mirbane (see Nitrobenzene).
Mustard seed, nat., dms lb .17 - .17⅛
syn. bots lb 1.60 - 1.85
Neatsfoot, 15° cold test, dms lb .33 - .34
20° cold test, dms lb .32 - .33
30° cold test, dms lb .30 - .31
Neroli, NF, French, bots lb 360.00 - —
Spanish, bots lb 32.50 -85.00
Nutmeg, USP, dist., East Indian, cns., dms lb 4.75 - —
West Indian, cns., dms lb 4.65 - —
Ocotea cymbarum, dms lb .55 - .58
Oiticica, liq., dms lb .16¾- .17¼
tanks lb .15½- —
Oleo, extra, dms lb .14 - .14½
Olibanum, bots. lb 5.50 - 7.65
extra fine, bots lb 8.00 - 9.00
Olive, edible, Spanish, dms., duty paid gal 4.00 - 4.10
Orange, sweet, dist., cns lb .45 - .80
expressed, USP, Brazilian, cns., dms lb No stocks.
Calif., cns., dms. lb .55 - 1.25
Florida, cns., dms lb .45 - .50
Messina, cns. lb 3.85 - 5.85
West Indian, cns., dms lb 2.50 - 3.65
sesquiterpeneless, bots lb 65.00 -120.00
Origanum, Spanish, cns lb 2.00 - —
Palm, clarif., dms lb .13¾- .14



OIL OF ORANGE, U.S.P.

Flavor is the most important factor in your finished product. Better *orange* flavor naturally comes from *better oranges*, and all tests prove California oranges are richer in flavor strength, more intense in aromatic constituents.

Wherever you use Oil of Orange, be sure your supplier provides Exchange Brand California Oil of Orange. No other oil of orange has the world-wide reputation of Exchange Brand, produced by the people who know citrus best—the Sunkist Growers of California.

Flavor is one of your least expensive ingredients. Doesn't it seem foolish to settle for cheaper, inferior orange oil when flavor is so important yet costs so little? Ask your supplier for Exchange Brand Oil of Orange, with its consistent year-after-year quality and its richer orange flavor.

Exchange

Sunkist Growers

Products Department • Ontario, California

Produced by
The Exchange Orange Products Co.
Ontario, California

Distributed in the U. S. and Canada by
Dodge & Olcott, Inc., 180 Varick St. New York 14, N.Y.
Fritzsche Brothers, Inc., 76 Ninth Ave. New York 11, N.Y.
Ungerer & Company, Inc. 161 Avenue of the Americas New York 13, N.Y.

Oil, palmarosa, cns	lb.	8.25	-10.00
Paraffin, pale, 100-110 vis., at 100°F. tanks, East Coast refy	gal.	.14	- —
Patchouli, dms.	lb.	7.25	- —
Peach kernel, USP (see Oil apricot kernel).			
Peanut, crude, tanks, f.o.b. mills	lb.	.17¼	- —
refd., dms.	lb.	.22⅝	- .2300
tanks	lb.	.21⅛	- —
Pennyroyal, USP, imported, cns.	lb.	2.75	- 3.50
Peppermint, nat., dms	lb.	5.50	- —
redist., USP, dms	lb.	5.85	- 8.50
Persic, USP (see Oil, apricot kernel).			
Petitgrain, South American, cns., dms.	lb.	3.40	
Pimento, berry, NF, dms	lb.	4.50	- 5.00
leaf, cns.	lb.	2.65	- 3.10
Pine, dest.-dist., dms., l.c.l., works	lb.	.12¼	- —
ex-whse.	lb.	.14¼	- —
steam-dist.,, dms., ex whse, N Y C	lb.	.163	- —
Pineneedle, Siberian (see Oil, abies siberica).			
Rapeseed, tankcars	lb.	.16¼	- —
Red (see Acid, oleic).			
Rice, bran, clarif., dms., l.c.l.	lb.	.17	- —
tanks, dlvd. E	lb.	.14½	- —
Rose, nat., Bulgarian, bots.	oz.	48.00	-54.00
Rosemary, Spanish, USP, cns., dms	lb.	.60	- 1.00
tech., cns., dms	lb.	.50	- 70
Rue, bots.	lb.	2.00	- 2.50
Safflower, dms., c.l., Atl. coast	lb.	.1735	- —
tanks, same basis	lb.	.1585	- —
Sage, clary, bots	lb.	18.75	-19.00
Dalmatian, cns.	lb.	4.50	- 6.00
Spanish, cns	lb.	1.30	- 1.45
Sandalwood, NF, cns	lb.	15.00	-15.50
Sardine, crude, tanks, Pac. coast.	lb.	.08½	- .09
Sassafras, artif., dms	lb.	.53	- .70
nat., dom., USP, dms	lb.	1.45	- 2.10
imp., Brazilian (see Oil ocotea cymbarum).			
Savin, cns	lb.	2.75	- —
Savory, cns	lb.	4.25	- —
Sesame, refd., dms	lb.	.38	- .37
Shingle stain, tar distillate, dms., c.l., works	gal.	.35	- —
l.c.l., works	gal.	.44	- —
tanks, works	gal.	23	- —
Snakeroot, Canada, cns	lb.	27.50	-31.00
Soybean, crude, tanks, Decatur.	lb.	.1400	- —
foots (soapstocks), acid, 95% 95%, tanks, N. Y.	lb.	.07½	- —
refd., alkali, dms	lb.	.1850	- .1875
tanks	lb.	.1680	- —
clarified, dms.	lb.	.1800	- .1825
tanks	lb.	.1630	- —
salad, dms.	lb.	.1880	- .1925
tanks	lb.	.1710	- —
Spearmint, USP, dms	lb.	4.70	- 5.50
Sperm, bleached winter, 45° dms.	lb.	.1775	- .1825
tankcars	lb.	.1600	- —
nat., winter, 45°, dms	lb.	.1675	- .1725
tankcars	lb.	.1500	- —
Spruce, cns., dms	lb.	2.10	- 2.75
Sweet birch, USP, Northern, cns.	lb.	4.25	- 9.50
Southern, cns	lb.	9.50	- 3.00
Tall, crude, dms., c.l., works	lb.	.03½	- —
tanks, works	lb.	.02½	- —
dist., dms., c.l., works	lb.	.07½	- —
l.c.l., works	lb.	.07¾	- —
tanks, works	lb.	.06¼	- —
refd., dms., c.l., works	lb.	.06½	- .06¾
l.c.l., works	lb.	.06¾	- .07¾
tanks, works	lb.	.05¼	- .05¾
Tallow, acidless, dms	lb.	.13½	- .15
Tangerine, Floridian, dms	lb.	2.00	- 2.80
Tansy, dms	lb.	7.50	- 8.40
Tar acid (see T's).			
Pine, coml., dms., c.l., works	lb.	.0561	- —
l.c.l., works	lb.	.0634	- —
whse	lb.	.0745	- —
tanks, works	lb.	.046	- —
rectified, NF, dms., incl., l.c.l., works, South	gal.	1.05	- —
ex whse., N. Y. C	gal.	1.15	- —
refined, dms., works, l.c.l., incl.	gal.	.92	- —
N. Y. whse., l.c.l.	gal.	1.02	- —
Theobroma (see Cocoa butter).			
Thyme, NF, red, cns., dms	lb.	1.80	- 2.00
white, cns	lb.	1.95	- 4.00
tech., white, cns	lb.	.40	- 1.85
Tung, dms., c.l., N. Y.	lb.	.26¾	- —
l.c.l., same basis	lb.	.27	- .27½
tanks, N. Y.	lb.	.25¼	- —
domestic mills	lb.	.24¼	- —
Turkey red (see Oil, castor, sulfonated).			
Turpentine, NF, cns., dms.	lb.	.28	- .45
Vetiver, Bourbon, cns.	lb.	13.00	-17.00
Haitian, cns	lb.	9.80	-11.00
Java, cns	lb.	18.50	-20.00
Wheat, germ, 5-gal. dms	gal.	11.20	- —
White mineral, tech., 50-65 vis., non-ret. dms., c.l., f.o.b. N. Y.	gal.	.51½	- .54½
65-75 vis., non-ret., dms., c.l., same basis	gal.	52½	- .55
l.c.l., same basis	gal.	.57½	- .58½
80-90 vis., non-ret., dms., c.l., same basis	gal.	.53½	- .56½
l.c.l., same basis	gal.	.58½	- .59½
135-138 vis., non-ret. dms., c.l., same basis	gal.	.59½	- .62½
l.c.l., same basis	gal.	.64½	- .65½
145-155 vis., non-ret. dms., c.l., same basis	gal.	.66	- .69½
l.c.l., same basis	gal.	.71	- .71½
175-185 vis., non-ret. dms., c.l., same basis	gal.	.69½	- .73
l.c.l., same basis	gal.	.74½	- .75
USP, 200-210 vis., non-ret., dms., c.l., same basis	gal.	.73½	- .75
l.c.l., same basis	gal.	.77½	- .78
345-355 vis., non-ret. dms., c.l., same basis	gal.	.77	- .80
l.c.l., same basis	gal.	.83	- .85
Wintergreen, USP, nat., Northern, cns.	lb.	6.35	-10.30
Southern cns	lb.	3.20	-19.50
syn. (see Methyl salicylate).			
Wood (see Oil, tung).			
Wormseed (see Oil, Chenopodium, NF).			
Wormwood, cns.	lb.	5.00	- 6.85
Ylang-ylang, Bourbon, bots.	lb.	17.00	-30.00
extra, bots	lb.	28.00	-40.00
Madagascar, bots.	lb.	No stocks	
Oleostearine, bbls.	lb.	.11	- .11¼
Opium, USP, cns	oz.	19.20	-19.45
gran., USP, cns.	oz.	21.65	-21.90
powd., USP, cns.	oz.	21.65	-21.90
Orange cadmium-selenide lithopone, light shade, bbls., frt. alld. E. of Rockies	lb.	1.80	- —
Deep shade, bbls	lb.	2.00	- —
Cadmium-Mercury lithopone, deep shade, bbls.	lb.	1.76	- —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. of E. of [illegible] R., [illegible] Davenport, Iowa, and E. of Minneapolis, Rock Island, St. Louis, St. Paul	lb.	.33	- .33½

Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1½c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex., El Paso, Tex.; 2c, Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City. Wichita prices are equalized with Chicago.

Orange, dinitroaniline toner	lb.	1.30	- —
Mineral, American, bbls., l.c.l., works	lb.	.2160	- —
Molybdated, bbls	lb.	.46	- .46½
o-Nitroaniline toner, kgs	lb.	1.15	- —
Orange peel, bitter, Haitian, bls.	lb.	.14	- .16
sweet, bls.	lb.	.16	- .18
Orris root, Florentine, bls.	lb.	.45	- .50
powd., bbls., bxs.	lb.	.50	- .53
Verona, bls.	lb.	.35	- .40
powd., bbls., bxs.	lb.	.40	- .45
Orthoaminobiphenyl (see o-Aminobiphenyl).			
Orthoanisidin (see o-Anisidine).			
Orthochloroanilin (see o-Chloroaniline).			
Orthochlorobenzaldehyde (see o-Chlorobenzaldehyde).			
Orthochloroparanitroanilin (see 2-Chloro-4-nitroaniline).			
Orthochlorophenol (see o-Chlorophenol).			
Orthocresol (see o-Cresol).			
Orthodichlorobenzene (see o-Dichlorobenzene).			
Orthonitroanilin (see o-Nitroaniline).			
Orthonitrochlorobenzene (see o-Nitrochlorobenzene).			
Orthonitrobiphenyl (see o-Nitrobiphenyl).			
Orthonitroparachlorophenol (see 2-Nitro-4-chlorophenol).			
Orthonitrophenol (see o-Nitrophenol).			
Orthonitrotoluene (see o-Nitrotoluene).			
Orthophenetidin (see o-Phenetidine).			
Orthophenylphenol (see o-Phenyl phenol).			
Ortho-tertiary-amylphenol (see o-tert-Amylphenol).			
Orthotolidin (see o-Tolidine base).			
Orthotoluidin (see o-Toluidine).			
Osage, orange, cryst., No. 1, bbls. l.c.l	lb.	.40	- —
extract, liq., No. 1, bbls., l.c.l.,	lb.	.19	- —

Ouabain, USP, bots.	gram.	3.00	- 4.00
Oxyquinolin sulfate, cns., 100-lb. lots, works	lb.	4.75	- 5.00
smaller lots, works	lb.	4.92	- 5.17

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Papain, USP, African, bots.	lb.	3.50	- 4.00
Ceylon	lb.	3.00	3.50
Papaverine, nat. or syn hydrochloride, USP, cns., 25-oz. to 100-oz. lots	oz.	5.00	- —
smaller lots	oz.	5.05	- 5.20
Sulfate, cns.	oz	7.10	7.35
Paprika, Roumanian, bgs.	lb.	.28	- —
Spanish, bgs.	lb.	.35	- .36
Yugoslavian, bgs.	lb.	.36	- .37
Para-aminophenol (see p-Aminophenol).			
Para-anisidin (see p-Anisidine).			
Parachloranilin (see p-Chloroaniline).			
Parachloro-orthonitroanilin (see 4-Chloro-2 nitroaniline).			
Parachlorobenzaldehyde (see p-Chlorobenzaldehyde).			
Parachlorophenol (see p-Chlorophenol).			
Paracresol (see p-Cresol).			
Paradibromobenzene (see p-Dibromobenzene).			
Paradichlorobenzene (see p-Dichlorobenzene).			
Paraffin, crude scale, white, 123°-127°F., ASTM, solid, c.l., refy	lb.	.0750	- —

Paraffin, fully refd., 122°-124°F., ASTM, c.l., refy	lb.	.0903	- —
125°-127°F. ASTM, slabs loose, c.l., refy	lb.	.0903	- —
130°-132°F., ASTM, slabs, loose, c.l., refy	lb.	.0903	- —
132°-134°, ASTM, c.l., refy	lb.	.0903	- —
135°-137°F., ASTM, slabs, loose, c.l., refy	lb.	.0903	- —

Prices for paraffin in bags and ctns. c.l. 7-10c. per lb. higher; 1,000 to 9,999 lbs., 2.7c. per lb. higher and under 1,000 lbs. 3.7c. per lb. higher.

AMP temperatures are an arbitrary 3°F. higher than ASTM.

Paraformaldehyde, 91% flake, bgs., c.l., frt. alld	lb.	.1075	- —
l.c.l., frt. alld	lb.	.1275	- .1375
powd., bgs., c.l., frt. alld	lb.	.15½	- —
l.c.l., frt. alld	lb.	.17	- —
USP X, fib. dms., c.l.	lb.	.183	- —
1,000-lb. lots	lb.	.193	- —
smaller lots	lb.	.208	- —
Paraldehyde, tech., 98%, 55-gal. dms., c.l. works	lb.	.13½	- —
l.c.l., works	lb.	.14½	- —
tanks, works	lb.	.11½	- —
Paranitroanilin (see p-Nitroalinine).			
Paranitrochlorobenzene (see p-Nitrochlorobenzene).			
Paranitrotoluene (see p-Nitrotoluene).			
Paranitrophenol (see p-Nitrophenol).			
Paraphenetidin (see p-Phenetidine).			
Paraphenylenediamine (see p-Phenylenediamine).			

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HERCULES
CHEMICAL MATERIALS FOR INDUSTRY

655-10(n)

Paraphenylphenol (see p-Phenylphenol).
Para-tertiary-amylphenol (see p-tert-Amylphenol).
Para-tertiary butylphenol (see p-tert-Butylphenol).
Parathion, spray powder, 15% dealers, dms., bgs., frt. alld lb. .50 - .53
tech., dms., c.l., t.l., works lb. 1.3395 - —
l.c.l., works lb. 1.51 - —
Paratoluenesulphonamide (see p-Toluenesulfonamide).
Paris green, dealer, dms., c.l., frt. alld lb. .44 - .47
l.c.l., same basis lb. .45 - .48
Passion flower herb, bls. lb. .20 - .21
Peanut meal, 45%, old process, bgs., mills ton 52.00 - —
Pectin, citrus, NF, powd., bbls lb 2.05 - 2.06
tech., powd., bbls lb. 1.35 - —
imported, Danish, ex whse lb. 1.28 - —
Penicillin, crystalline, potassium, sterile, bulk, 1,000,000 units. .03½- .04
Procaine bulk 1,000,000 units. .03½- .04
Sodium, sterile, bulk, 1,000,000 units. .03½- .04
Pentachlorophenol, dms., c.l., t.l., works, frt. equald lb. .21 - —
l.c.l., same basis lb. .22½- .29
Pentaerythritol, tech., bgs., c.l., works lb. .32 - —
l.c.l., works lb. .33 - —
Di- and tri-isomers (see Dipentaerythritol and Tripentaerythritol).
Pentane, indust., tanks, Tex. refy. gal. .13 - —
Pepper, black, Malabar, spot, bgs lb. .32 - —
red, Gondar, spot, bgs lb. No prices.
Japanese, hontaka, bgs lb. .33 .34
birdseyes, bgs., new crop lb. No prices.
Mombasa, bgs., shipt lb. .65 - —
Nigerian, bgs. lb. 29½- —
Turkish, bgs. lb. .28 - —
white, bgs. lb. .40 - —
Peppermint leaves, USP, dom., bls., dms lb. .70 - .75
imp., bls. lb. 1.10 - —
Perchloroethylene, dms., c.l., or truckloads, dlvd. E lb. .12½- —
l.c.l., dlvd. E lb. .14 - —
tanktruck, 1,000 gal., min. dlvd. E. lb. .11½- —
tanks, dlvd E lb. .11 - —
dlvd. W. lb. .11½- —
Peru balsam, dms. lb. 1.50 1.75
Petrolatum, amber, dms., c.l., refy. lb. .05⅝- .06¼
l.c.l., dlvd lb. .07⅛- .07⅝
tanks, refy lb. .03⅞- .04¾
cream, dms., c.l., refy lb. .06¾- .07¾
l.c.l., dlvd lb. .09⅛- .09⅝
tanks, refy lb. .05 - .06¼
extra amber, dms., c.l., refy lb. .05⅞- .06½
l.c.l., dlvd lb. .07⅝- .07⅞
tanks, refy lb. .04½- .05¼
USP, white, lily, dms., c.l., refy. lb. .07¼- .07⅞
l.c.l., dlvd lb. .09½- .09¾
tanks, refy lb. .05½- .06⅛
snow, dms., c.l., refy lb. .08⅛- .08⅜
l.c.l., dlvd lb. .10 - .10¼
tanks, refy lb. .06 - .06½
Petrolatum, USP, soft, dms., c.l., refy, lb. .07⅜- .08⅛
soft, dms., c.l., refy lb. .07⅜- .08⅜
l.c.l., dlvd lb. .09⅛- .09⅜
tanks, refy. lb. .05⅞- .06½
yellow, soft, dms., c.l., refy lb. .05⅞- .06⅛
l.c.l., dlvd lb. .07½- .07¾
tanks, refy lb. .04½- .06½
Petroleum, lacquer diluent, 150°-, 240°F, b.r., tanks, West Coast, ex tax, Los Angeles gal. .169 - .204
East coast, N. J., N. Y. gal. .19 - —
Group 3, benzol-type gal. .14125- .14625
toluol-type gal. .13125- .13375
Mineral spirits, reg., tanks, California, ex tax, San Francisco, gal. .164 - —
East coast, N. J., N. Y. gal. .17 - —
Group 3 gal. .11875- —
tankwagon, Boston gal. .19 - —
Buffalo gal. .195 - —
Chicago gal. .279 - —
Cleveland gal. .22 - —
Newark gal. .18 - —
New York gal. .18 - —
Philadelphia gal. .185 - —
Pittsburgh gal. .18 - —
Providence gal. .195 - —
odorless, tanks, refy., Watson, Cal. gal. .245 - —
Borger, Tex. gal. .24 - —
Houston, Tex. gal. .24 - —
Wood River, Ill. gal. .2625- —
dlvd. N. J. gal. .32 - —
dlvd. N. Y. gal. .33½- —
tankwagon, N. J., dlvd. gal. .36 - —
N. Y., dlvd. gal. .37 - —
Naphtha, cleaners, tanks, East Coast, N. J. and N. Y. gal. .17 - —
Group 3 gal. .12875- —
tankwagon, Newark gal. .18 - —
New York gal. .18 - —
Philadelphia gal. .185 - —
High solvency (see Petroleum solvent, partial aromatic).
Petroleum naphtha, VM&P, 225°-, 300°F, b.r., tanks, West Coast, Los Angeles gal. .169 - —
Portland, Ore gal. .175 - —
San Francisco gal. .174 - —
Seattle, Wash gal. .175 - —
225°-300°F, b.r., tanks, East Coast, N. J., N. Y. gal. .18 - —
Group 3 gal. .12875- —
tankwagon, Boston gal. .205 - —
Chicago gal. .289 - —
Cleveland gal. .23 - —
Newark gal. .195 - —
New York gal. .195 - —
Philadelphia gal. .20 - —
Pittsburgh gal. .19 - —
Solvent, partial aromatic, tanks, 205°-282° F., b.r., 41°C., m.a.p., N. Y., N. J gal. .245 - —
212°-278°F b.r., 43°C. m.a.p., N. J gal. .26 - —
212°-284°F. b.r., 19°C. m.a.p., N. J gal. .29 - —
224°-280°F., b.r., 48°C, m.p.a., Houston gal. .215 - —
273°-361°F. b.r., 29°C. m.a.p., N. J gal. .29 - —
282°-325°F. b.r., 41.5°C. m.a.p. Houston gal. .25 - —
287°-386°F., b.r., 31°C., m.a.p., N. J. gal. .29 - —
310° 344°F., b.r., 13.5°C. m.a.p., Texas City gal. .33 - —
310°-348° b.r., 17°C., m.a.p., N. Y., N. J gal. .35 - —
320°-360°F., b.r., 16°C., m.a.p., N. Y., N. J. gal. .33 - —
324°-349°F, 37°C., m.a.p., Houston gal. .33 - —
341°-390°F., b.r., 35°C., m.a.p., N. J gal. .27 - —
352°-413°F, b.r., 30°C, m.a.p., Houston gal. .33 - —
358°-401°F., b.r., 25°C., m.a.p., N. Y., N. J. gal. .39 - —
364°-404°F b.r., 19°C. m.a.p., N. Y., N. J gal. .425 - —
367°-418°F. b.r., 19.6°C. m.a.p., N. Y., N. J gal. .33 - —
rubber, tanks, Cal., ex tax, San Francisco gal. .173 - —
East Coast, N. J., N. Y., gal. .18 - —
Group 3 gal. .12875- —
Stoddard, tanks, East Coast, N. J., N. Y. gal. .17 - —
Group 3 gal. .12375- —
Pennsylvania, western gal. .15 - —
Boston gal. .19 - —
Chicago gal. .289 - —
Cleveland gal. .22 - —
Los Angeles, ex tax gal. .194 - —
Newark gal. .18 - —
New York gal. .18 - —
Philadelphia gal. .185 - —
Pittsburgh gal. .18 - —
Sulfonate, oil soluble, 60-62% sulfonic content, non-ret. dms., c.l., works lb. .16½- .18¾
l.c.l., works lb. .17½- .19
tanks, works lb. .14½- .17
50-55% sulfonic content, non-ret. dms., c.l., works lb. .16 - —
l.c.l., works lb. .17 - —
tanks, works lb. .13 - —
o-Phenetidine, dms., works lb. 1.00 - —
p-Phenetidine, dms., works lb. 1.00 - —
Phenobarbital, USP, dms., 100-lb. lots lb. 3.50 - —
Phenobarbital-sodium, USP, dms., 100-lb. lots lb. 3.50 - —
Phenol, 90-92% (cresol 8-10%), non-ret. dms., c.l., frt. alld. E. of Rockies lb. .16¾- —
l.c.l., same basis lb. .17½- —
tanks, same basis lb. .15 - —
82-84% (cresol 16-18%), non-ret. dms., c.l., same basis lb. .16¼- —
l.c.l., same basis lb. .17 - —
tanks, same basis lb. .14½- —
89°C or above, tar distilled, non-ret. dms., c.l., same basis. lb. .18¼- —
l.c.l., same basis lb. .19 - —
tanks, same basis lb. .16½- —
USP, syn., dms., c.l., frt. alld lb. 1,000-lb. lots or more, same basis lb. .18¾- —
less than 1,000-lb. lots, same basis lb. .19½- —
tanks, same basis lb. .20½- —
Phenolphthalein, USP, or yellow, bbls., dms., 2,000-lb. lots. lb. .17 - —
smaller lots lb. 1.10 - —
Phenothiazine, NF, fib. dms., c.s., frt. adjusted lb. 1.12 - 1.17
over 2,100 lbs., same basis lb. .39 - —
less than 2,100 lbs., same basis. lb. .41 - —
Phenyl acetate, dms., 100-lb. lots, works lb. .43 - —
Salicylate (see Salol.)
Phenylacetaldehyde, soln., 50%, bots lb. .50 - —
100%, bots lb. 2.40 - 2.70
Phenylacetamide, 125-lb. dms., works lb. 4.00 - 4.65
smaller dms., works lb. 1.10 - —
dl-Phenylalanine, dms., works lb. 1.15 - 1.10
1-Phenyl-3-carbethoxy pyrazolone-5, 250-lb. fib. dms., dlvd. E lb. 27.00 - 37.50
smaller dms., dlvd. E lb. 3.60 - —
N-Phenyldiethanolamine, dms., c.l., dlvd. E lb. 4.00 - —
l.c.l., dlvd. E lb. .40½- —
tanks, dlvd. E lb. .41½- —
m-Phenylenediamine, dms., frt. alld. lb. .38½- —
o-Phenylenediamine, coml., 100 to 1,000 lbs., fib. dms., works lb. 95 - —
p-Phenylenediamine, tech., refd., dms., works lb. 1.70 - 1.80
Phenylethanolamine, dms., c.l., works lb. 1.42 - —
l.c.l., same basis lb. .75½- —
Phenylethyl acetate, bots lb. .76 - —
b-Phenylethylamine, dms., 1,000-lb. lots, works lb. 1.30 - —
smaller lots, works lb. 1.10 - —
Phenylhydrazine base, CP, bots lb. 1.15 - 1.40
Hydrochloride, coml., kgs., works. lb. 3.00 - 3.07
purif., bots., works lb. 1.75 - —
1-Phenyl-3-methyl pyrazolone-5, 250-lb. lots, dlvd. E lb. 5.17 - —
smaller lots, dlvd lb. 1.80 - —
Phenylethylphenyl acetate, bots lb. 2.10 - —
o-Phenylphenol, dms., l.c.l., works. lb. 3.95 - 4.40
p-Phenylphenol, bgs., c.l., works lb. .42 - .44
l.c.l., works lb. .35 - —
Phloroglucinol, coml., fib. dms., works lb. .39½- —
CP, bots., works lb. 6.40 - —
tech., fib. drums, works lb. 17.75 - —
Phosphate, defluorinated (see under D).
Rock, Curacao, Atlantic ports, New Orleans ton. 15.00 - —
Florida, land pebble, run-of-mine, washed, dried unground, bulk, c.l., mines, 68-66%, b.p.l., bulk, c.l., mines long-ton. 4.81 - 4.83
70-68%, b.p.l., c.l., same basis long-ton. 5.21 - 5.33

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Phosphate rock, Florida, land pebble, 72-70%, b.p.l., c.l., same basis long-ton. 5.87 - —
75-74%, b.p.l., c.l., same basis long-ton. 6.87 - —
78-76%, b.p.l., c.l., same basis long-ton. 7.87 - —

The Florida prices (above) are based on fuel oil at $2.47 per bbl. and labor at $1.39. Recent labor advance currently absorbed.

Phosphorus, amorph., red, dms., t.l., works lb. .43 - —
smaller lots, works lb. .44 - .45
white (yellow), solid, dms., c.l., works, frt. equald lb. .20 - .20½
l.c.l., works, frt. equald. lb. .21½ - —
tanks, works, frt. equald. lb. .19 - —
Oxychloride, dms., c.l., works lb. .14 - —
l.c.l. works lb. .15 - —
tanks, works lb. .12½ - —
Pentasulfide, solid, dms., c.l., works lb. .11½ - —
l.c.l., works lb. .12½ - —
Pentoxide, dms., c.l., works lb. .13½ - —
l.c.l. works lb. .16½ - —
Sesquisulfide, tins, cs., works lb. .29 - —
export, dms lb. .31 - .36
Trichloride, dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - —
tankcars, works lb. .12½ - —
Phthalic anhydride, ngs, c.l., works, frt. equald lb. .20 - —
l.c.l. same basis lb. .21 - —
tanks, same basis lb. .19¼ - —
Phthalimide, 97%-98%, dms., frt. equald lb. .65 - —
Phthalylsulfacetamide, 1,000-lb. lots or more lb. 5.00 - —
a-Picoline, ret. dms., c.l., works, frt. equald lb. .43 - .43½
l.c.l., works, frt. equald lb. .44 - —
tanks, same basis lb. .415 - .422
b,g-Picoline, 5°C, dms., c.l., works. lb. .32½ - —
l.c.l. works lb. 33 - —
g-Picoline, 98%, dms., works lb. 2.00 - —
Pilocarpine hydrochloride, USP, bots oz. 4.75 - 5.25
Nitrate, USP, bots., vials oz. 4.65 - 4.75
Pimento, Jamaican, bgs lb. .84 - —
Mexican, bgs. lb. .58 - —
Pink root, bls lb. 3.00 - 3.25
d-Piperazine hexahydrate, French Codex, bots kilo 8.00 - 8.50
Piperidine, dist., dms, frt. equald. lb. 2.60 - 2.70
Piperonyl butoxide, dms., dlvd. E lb. 4.50 - 5.05
Cyclonene, dms., dlvd. E lb. 3.70 - 4.25
Pitch, coaltar, 150°-170°F. m.p., tanks, works ton.37.00 - —
Cottonseed, raw, dms., works lb. .02¼ - 03
Linseed, dms lb. .06 Nom.
Marine, dms. lb. .04¼ - .05
Petroleum (see Asphalt, petroleum).
Soybean, dms., works lb. .05 Nom.
Tall, dms., works lb. .03¾ - .04½
Plaster of Paris (see Gypsum).
Platinum metal, works oz.97.00 - 107.00
Pleurisy root, bls lb. .45 - .50
Podophyllum resin, NF, dms lb.15.60 - —
Poke root, bls lb. .19 - .22
Polymyxin, bulk, bots., dms., 50 billion units or more, 1,000,000 units. .52 - —
25-50 billion units 1,000,000 units. .54 - —
1-25 billion units 1,000,000 units. .56 - —
Polyoxyethylene sorbitan monostearate, dms., 20,000-lb. lots, works lb. .41 - —
10,000-20,000-lb. lots, works, lb. .43 - —
smaller lots, works lb. .46 - .48
tristearate, dms., 20,000-lb. lots, 10,000-20,000 lb. lots, works, works lb. .41 - —
lb. .43 - —
smaller lots, works lb. .46 - .48
Poppy seed, Argentine, bgs lb. .21 - —
Dutch, bgs. lb. .23 - —
Iranian, bgs. lb. .15 - —
Polish, bgs. lb. .22 - —
Turkish, bgs. lb. No prices.
Potash, caustic, reg., flake, 88-92%, dms., c.l., works 100 lbs. 9.15 - —
l.c.l., works 100 lbs.10.20 - —
liq., 45% basis, dms., c.l., works 100 lbs. 4.25 - —
l.c.l., same basis 100 lbs. 5.05 - —
tanks, same basis 100 lbs. 3.70 - —
solid, 88-92%, dms., c.l., works 100 lbs. 8.70 - —
l.c.l., works 100 lbs. 9.75 - —
Potassium acetate, NF, dms lb. .31 - .36
Bicarbonate, USP, gran., dms. lb. .22 - —
powd. dms lb. .24 - —
Bichromate, bgs., c.l., works lb. .16½ - —
l.c.l., works lb. .17 - —
Potassium bichromate in dms ½c. higher.
Bitartrate, NF, dom., gran. or powd., bbls., 5,000 lbs., 1 ship't. lb. .38½ - —
dms., c.l. lb. .38 - —
smaller lots lb. .39 - .42
imp, kgs. lb. .29 - —
Bromate, dms., 1,000 lbs. or more, lb. .50 - —
25-200-lb. lots lb. .52 - .62
Bromide, USP, gran., bbls., kgs. lb. .35 - .36
Carbonate, NF, gram., bbls., dms. lb. .20 - —
powd., bbls., dms lb. .21 - .22
tech., calcined, bbls., c.l., works. 100 lbs. 9.00 - —
l.c.l., same basis 100 lbs.10.05 - —
hydrated, 83-85%, bbls., c.l., works 100 lbs. 7.60 - —
l.c.l., works 100 lbs. 8.65 - —
Chlorate, cryst., dms., c.l., works. lb. .10¼ - —
l.c.l., works lb. .10½ - .11½
powd., dms., c.l., works lb. .10¾ - —
l.c.l., works lb. .11 - .12
NF, gran., 25-lb. metal dms lb. .35 - —
Chloride, agricultural (see Potassium muriate).
indust., 99.9% KCl, bulk, c.l., works ton.28.00 - —
bgs., c.l., works ton.32.25 - —
99.3% KCl, bulk, c.l., works. ton.26.00 - —
bgs., c.l., works ton.30.40 - —
USP, cryst., dms lb. .21 - .23
gran., dms lb. .15 - .17
powd., dms lb. .24 - .26
Chromate, tech., bgs lb. .50 - .50½
Citrate, USP gran., dms lb. .41 - —
powd., dms lb. .40½ - .41½
Cyanide, dms., 20,000-lb. lots or more, works lb. .45 - —
2,000-19,999-lb. lots, works lb. .455 - —
smaller lots, works lb. .465 - —
Dichromate (see Potassium bichromate).
Ferricyanide, dms., ton lots lb. .50 - —
Ferrocyanide, bgs., ton lots lb. .22½ - —
smaller lots lb. .23 - —
Fluoborate, fib. dms., c.l., works lb. .30 - —
l.c.l., works lb. .31 - —
Fluoride, dms., works lb. .37 - .38
Gluconate, dms. lb. 1.60 - —
Guaiacolsulfonate, NF, dms lb. 2.10 - 2.30
Hydroxide, tech. (see Potash caustic).
USP, pellets, 100-lb. dms, 1 to 100-dm. lots lb. .28½ - .3[illegible]
Hypophosphite, NF, fib. dms., ton lots or less lb. 1.00 - 1.03

Potassium iodide, dms lb. 1.90 - 1.95
Manure salt, 22% K_2O, base price, unit-ton. .17 - .1763
July forward unit-ton. .38 - —
Metabisulfite, gran. dms lb. .20 - .21
powd. dms lb. .25 - —
Muriate, 59-63% K_2O, bulk, c.l., works, base price unit-ton. .36 - —
July forward unit-on. .38 - —
59-63% K_2O_2, bgs, c.l., works, base price ton.26.00 - —
July forward ton.27.20 - —
Nitrate, cryst., bbls., 20-ton lots. 100 lbs.14.40 - —
smaller lots 100 lbs.14.65 -14.90
gran., bbls., 20-ton lots.100 lbs. 9.75 - —
smaller lots 100 lbs.11.10 -11.50
powd., bbls., 20-ton lots.100 lbs.10.75 - —
smaller lots 100 lbs.12.00 -12.50
USP gran., dms lb. .18 - —
Potassium nitrate in bags 50c. per 100 lbs. less in kegs, $1 more
Oxalate, neutral, tech., fine gran., bbls., dms lb. .30 - .32
Pentaborate, gran., bgs., c.l., works ton.191.50 - —
dms., ton lots, ex whse. ton.198.00 - —
smaller lots, ex whse ton.302.50 - —
Powdered potassium pentaborate $10.75 per ton higher.
Perchlorate, dms., c.l., works lb. .17½ - —
l.c.l., works lb. .18 - .19
Permanganate, coml., kgs., works. lb. .24½ - .27½
USP, dms., works lb. .27¼ - .29
Persulfate, dms., 5-ton lots, works. lb. .18 - —
1-ton lots, works lb. .20 - —
Phosphate, tetrabasic, bbls., works. lb. .16½ - .13½

Potassium prussiate, red (see Potassium Ferricyanide).
yellow (see Potassium Ferrocyanide).
Silicate, glass bgs., c.l., works 100-lbs.17.00 -17.30
l.c.l., works 100-lbs.17.80 - —
Silicate, soln., clarif. 29° Be, 1:2.5, dms., c.l., works 100 lbs. 5.80 - —
l.c.l., 5 dms. or more works 100-lbs. 6.55 - 6.95
tanks, works 100-lbs. 5.45 - —
electrical grade, 29° Be, 1:2.0 dms., c.l., works 100 lbs. 6.50 - —
l.c.l., 5 dms. or more, works 100 lbs. 7.25 - 7.65
tanks, works 100 lbs. 6.15 - —
40.5° Be, 1:2.1, dms., c.l., works 100 lbs. 6.45 - —
l.c.l., 5 dms. or more works 100 lbs. 7.20 - 7.60
Silicofluoride, bgs., works lb. .09½ - .10
Potassium silicofluoride in drums, 0.4c. per lb. higher.
Stannate, dms., frt. alld. E lb. .705 - .771
Sulfate, agricultural 50% K_2O, bulk, works, base price. unit-ton. .64 - —
July forward unit-ton. .67 - —
NF VII cryst., dms lb. .31 - .33
gran., dms. lb. 18½ - —
powder dms lb. .16½ - .17
Sulfocyanate, NF, cryst. (see Potassium thiocyanate).
Thiocyanate, NF, cryst., dms lb. .84 - .94
tech., works lb 77 - 79

Potassium titanate, ctns., c.l., works. lb. .14 - —
5-ton lots, works lb. .14½ - —
1-ton lot or less, works lb. .14¾ - —
Toluene sulfonate, dms., c.l. or tl., works lb. .42 - —
l.c.l., works lb. .46 - —
Potassium-magnesium sulfate, bulk, works, basis 40% K_2SO_4, 18% MgO, base price ton.13.45 - —
July forward ton.14.00 - —
Potassium-sodium tartrate, NF, gran. powd., dms., c.l lb. .40½ - —
5,000-lb. lots lb. .41 - —
smaller lots lb. .41½ - .47
Potassium-titanium fluoride, fib. dms, works lb. .39 - .40
Potassium-zirconium fluoride, fib. dms, c.l., works lb. .50 - —
l.c.l., works lb. .52½ - .53
Pregnenolone, bots. gram. .45 - —
Acetate, bots. gram. .40 - —
Procaine hydrochloride, USP, dms., 1,000-lb. lots, frt. alld lb. 2.90 - —
100-lb. lots lb. 3.00 - 3.60
Progesterone, USP, bots., 100 gram lots gram .50 - —
Acetate, bots. gram .70 - —
Propane, indust., tanks, group 3. gal. .04½ - —
N. Y. Harbor gal. .09 - —
n-Propyl acetate, dms., c.l., dlvd lb. .12¾ - —
l.c.l., dlvd lb. .13¾ - —
tanks, dlvd lb. .1075 - —
Gallate, dms., 100 to 2,000-lb. lots works lb 3.90 - 4.40
p-Hydroxybenzoate, USP, dms lb. 2.30 - 2.40

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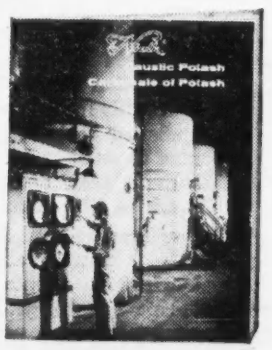

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Propyl Thiouracil—Saltpeter

Propyl thiouracil, bots., 50-kilo lots or more kilo.55.00 • —
smaller lots kilo.55.10 -55.30
Prices in West lc. higher dlvd., on same basis
Propylene dichloride, dms., c.l., dlvd. E lb. .0825- —
l.c.l., same basis lb. .095 - —
tanks, same basis lb .07 • —
Glycol, indust., dms., c.l., dlvd. E lb. .15½- —
l.c.l., same basis lb. .16½- —
tanks, same basis lb. .13½- —
USP, dms., c.l., dlvd. E lb. .17½- —
l.c.l., same basis lb. .18½- —
tanks, same basis lb. .15½- —
Methyl ether, dms., c.l., dlvd lb. .20 • —
l.c.l., same basis lb. .21 • —
tanks, same basis lb. .18½- —
Oxide, dms., c.l., dlvd. E lb. .17½- —
l.c.l., dlvd. E lb. .18½- —
tanks, dlvd. E. lb. .15½- —
Psyllium seed, black, bgs. lb. .55 • —
blonde, bgs. lb. .18 • —
husks, bgs. lb. .40 • —
Pumice, dom., grd., coarse to fine, 0, ½, 1, 1½, 2, 3, bgs., ton lots lb. .03¾- .04¼
smaller lots lb. .03⅞- .04½
imp., Italian, silk-screen, coarse, bgs., ton lots lb. .06½- —
fine, bgs. ton lots lb. .04 • —
sun dried, coarse, bgs ton lots lb. .02½- .04
fine, bgs., ton lots lb. .02½- .04
Pumpkin seed, bgs lb. .25 • .36
Pyrethrin, syn., (see Allethrin).
Pyrethrum flowers, fine grd., 0.9% pyrethrins, bbls., works lb. .45 • —
powd., 1.3% pyrethrins, obls., works lb. .65 • —
liq. 20/1 basis (2 grams pyrethrins per 100cc odorless base), dms., works gal. 8.75 • 8.85
100/1 basis (10 grams pyrethrins per 100cc odorless base), dms., works gal. 41.75 -42.75
oleoresin, dewaxed, 20%, dms., works lb. 10.00 • —
purif., 20% dms., works lb. 10.00 -10.10
Pyridine, denaturing, dms., c.l., works and frt. equald gal. 2.77 • —
l.c.l., same basis gal. 2.80 • —
refd., 2°, non-ret. dms., l.c.l., same basis lb. .75 • —
Pyridoxine hydrochloride, bots., 100-gram lots gram. .37½- —
Pyrites, Canadian, works long-ton. 3.00 • 5.00
Pyrocatechol (see Catechol).
Pyrogallol, NF, dms. lb. 3.27 • 3.30
Pyroxylin, scrap, ungrd., amber, dms., works lb. .20 • —
black, dms., works lb. .12 • —
mixed, mottled, dms. works lb. .13 • —
shavings, amber, cs., works lb. No stocks.
mixed colors, dms., works lb. .11 • —
white, china, ivory, dms., works lb. .16 • —
dense, opaque, dms., works. lb. .12 • .15
translucent pastels, cs., works. lb. .14 • —
Pyroxylin, scrap, transparent, colorless, dms., works lb. .25 • —
colors, dms., works lb. .15 • —
USP, bots. lb. 9.50 • —

Q

Quassia chips lb. .17 • —
Quebracho extract, clarif., grd., 70% tannin, bgs., c.l., lb. .16½- .16¾
liq., 35% tannin, bbls., works, lb. .08¼- —
solid, clarif., 64% tannin, bgs., c.l., exdock, duty extra lb. .12 23/64
ord., 63% tannin, bgs., c.l., same basis lb. .11 21/32- —
Quercitron extract, cryst., No. 1, bbls., l.c.l. lb. .40 • —
liq., No. 1, bbls., l.c.l lb. .19 • —
Quicksilver (see Mercury metal).
Quince seed, bgs lb. 2.00 Nom.
Quinidine sulfate, USP, cns., 100-oz. lots oz. .73 • .87
Quinine, NF, cns., 100-oz. lots oz. .54 • —
Bisulfate, USP, cns., 100-oz. lots, oz. .37½- —
Ethylcarbonate, NF, cns., 100-oz. lots oz. .63½- —
Hydrobromide, NF, cns., 50-oz. cns oz. .47½- —
Sulfate, USP, cns., 100-oz. lots oz. .42 • —
Quinine and Urea hydrochloride, NF, cns oz. .56 • —
Quinoline, dms., c.l., frt. equald lb. .50¾- —
l.c.l., same basis lb. .51¼- —
tanks, same basis lb. .50 • —

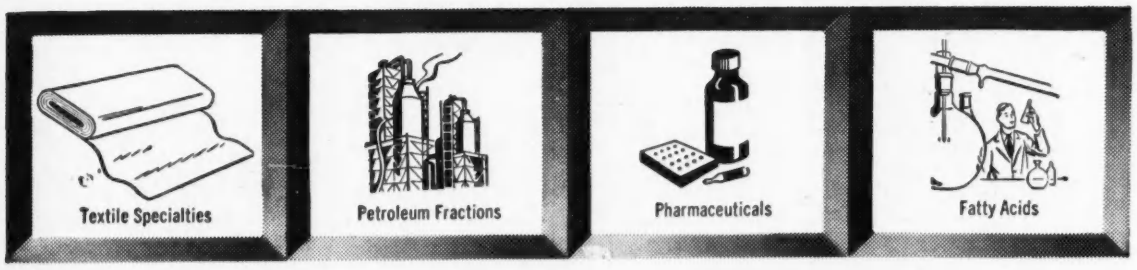
R

R salt, paste, dms., frt. alld., 100% basis lb. .88 • —
powd., frt. alld., 100% basis lb. .98 • —
Rauwolfia serpentina root, powd., bbls., dms lb. 2.00 • —
Red, BON acid maroons, pure, bbls., lb. 1.75 • —
resinated, bbls lb. 1.50 • —
arylid, deep shades, bbls lb. 3.60 • —
light shades, bbls lb. 2.75 • —
maroon, bbls lb. 3.60 • 5.90
Cadmium, CP, dark shade, bbls., frt. alld. E. of Rockies lb. 4.30 • —
light shade, bbls., same basis, lb. 4.00 • —
medium shade, bbls., same basis lb. 4.25 • —
medium light shade, bbls., same basis lb. 4.05 • —
orange shade, bbls, same basis lb. 3.95 • —
orange red, bbls., same basis, lb. 1.81 • —
Selenide lithopone, light red shades, bbls., same basis lb. 2.24 • —
medium light red shades, bbls., same basis lb. 2.49 • —
medium red shade, bbls., same basis lb. 2.99 • —
dark red shade, bbls., same basis lb. 3.44 • —
maroon shade, bbls., same basis lb. 3.77 • —
dark maroon shade, bbls., same basis lb. 3.90 • —
Mercury lithpone, light shade, bbls lb. 1.95 • —
medium-light shade, bbls. lb. 2.10 • —
medium shade, bbls lb. 2.25 • —
dark shade, bbls lb. 2.40 • —
Carmine No. 40 (see Carmine).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works lb. 1.65 • —
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y lb. .12¾- —
Iron oxide, nat., 75-85% ferric oxide, bgs., l.c.l., Bethlehem, Pa., Copley, O., Easton, Pa., bgs., c.l., works lb. .0675- —
Lake C toner, alizarin, bbls., works lb. 1.13 • —
rubine toner, pure, bbls., works. lb. 1.50 • —
resinated, bbls., works lb. 1.40 • —
Virginia type, bbls., works lb. 1.40 • —
Maroon toner, MNPT, kgs., c.l., works lb. 3.60 • —
10,000-lb. lots, works lb. 4.22 • —
smaller lots, works lb. 4.24 • —
Metallic, bbls., c.l., works lb. .02½- —
l.c.l., works lb. .02¾- —
Naphthol, ITR, bbls., works lb. 5.25 • —
Oxide (see Red iron oxide).
Persian Gulf, bgs., c.l., works. lb. .07¾- —
l.c.l., works lb. .08 • —
Para toner, bbls lb. 1.10 • —
chlorinated, kgs lb. 1.10 • 1.15
Phloxin toner (see Red eosin toner)
Rhodamine, molybdated, PMA, kegs lb 5.35 • —
tungstated, PTMA, works, kegs. lb. 6.40 • —
Spanish oxide, bbls., c.l., ex-dock. lb. .05¾- —
l.c.l., ex dock lb. .06 • —
ex whse., New York lb. .06½- —
Toluidine toner, deep shades, kgs., works lb. 1.62 • 1.65
light shades, kgs., works lb. 1.62 • 1.65
Turkey, bbls., works lb. .62 • —
Tuscan, bbls. frt equald lb. .24½- .25
Venetian, 15%, bgs., works lb. .0350- .0037
20%, bgs., works lb. .0475- —
25%, bgs., works lb. .0525- —
30%, bgs., works lb. .0550- —
35%, bgs., works lb. .0575- —
40%, bgs., works lb. .0625- —
Watchung-type, bbls lb. 1.95 —
Red KB base (see 4-Chloro-2-aminotoluene).
Red, precipitate (see Mercuric oxide, red).
Red saunders, NF, powd., bbls lb. .35 • .40
Reserpine, cryst., bots gram. 7.00 • 7.50
Resorcinol, tech grade, dms., c.l., works, frt. equald lb. .77½- —
l.c.l., same basis lb. .78½- —
USP, dms., works lb. 2.75 • —
powd., dms., works lb. 2.95 • —
Monoacetate, NF, dms lb. 3.00 • 3.25
Rhatany root, bgs lb. .15 • .16
Rhodinol, 5-lb. cans lb. 25.50 -34.00
Rhubarb root, India, whole, bgs lb. 1.75 Nom.
powd., bbls lb. 2.50 Nom.
Riboflavin, USP, bots., dlvd kilo. 65.00 • —
readily soluble, bots., dlvd kilo. 130.00 • —
5'-phosphate-sodium, bots., 100-kilo lots or more kilo. 125.00 • —
Rochelle salt (see Potassium sodium tartrate).
Rosin gum and wood (see Naval Stores in Protective Coatings market).
Rotenone, fib. dms., works, 100% basis lb. 10.00 • —
resin, 25-45%, fib. dms., works, 30% basis lb. 3.00 • 3.30
Rottenstone, bgs., 5-ton lots, exwhse lb. .03 • —
ton lots, same basis lb. .04 • —
Rutin, NF, fib. dms., 25-kilo lots, kilo. 17.50 -18.50
10 to 25-kilo lots kilo. 17.50 -20.00
1 to 10-kilo lots kilo. 18.90 -20.00
Ryania, 100%, powd., bgs., c.l., works lb. .22 • —
l.c.l., same basis lb. .24 • —

S

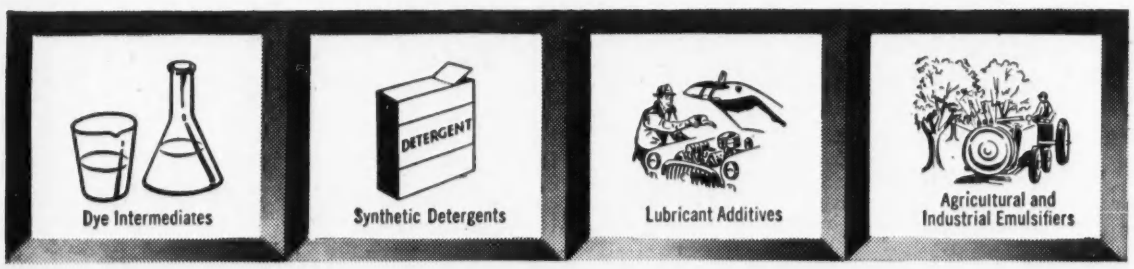
Sabadilla seed, powd., bbls lb. .49 • .49⅛
activated, ground with lime, bbls lb. .30 • .32
Saccharin, USP, cryst., soluble, dms., 1000-lb lots lb. 1.60 • —
smaller lots lb. 1.70 • 1.80
powd., soluble, insoluble, dms., 1000-lb. lots lb. 1.65 • —
smaller lots lb. 1.75 • 1.95
Calcium, fib. dms., 1,000-lb. lots, works lb. 2.50 • —
Saffron, Spanish, USP, tins lb. 45.00 • —
Safrol, dms lb. 1.60 • —
Sage, Cretan, bgs lb. .11 • —
Dalmatian, bgs. lb. .44 • —
Italian lb. .26 Nom.
Sago flour, raw, bgs lb. .07 • .07¼
refd., bgs lb. .08½- .09
Sal soda (see Soda sal).
Salicylamide, 100-lb. dms lb. 1.00 • —
Salol, NF, gran., bbls., kgs lb. 1.15 • —
Powdered salol, 25c. higher
Salt rock, paper bgs., c.l 100 lbs. 1.03 • —
table, vacuum, common, fine, paper bgs., c.l 100 lbs. 1.23 • —
Saltcake, dom., bulk, works, 100% Na_2SO_4 basis ton 28.00 • —
Saltpeter (see Potassium nitrate).

FOR SULFONATIONS SULFATIONS



Use SULFAN®

(Stabilized Sulfuric Anhydride)



. . . Here's Why!

You Improve Sulfonation Efficiency. SULFAN has 99.5% SO_3 available for sulfonation reactions. In many applications, this means considerable savings in operating costs because SULFAN offers nine times as much usable SO_3 as 100% sulfuric acid, and over three times as much as 20% oleum.

You Increase Batch Sizes. With SULFAN, there is no waste acid. This means larger batch sizes (or more rapid through-put) . . . often double without increasing size of equipment! Since no water is formed when SULFAN is used for sulfonation, the waste acid problem inherent with sulfuric acid or oleum is also eliminated.

Benefits of operating efficiency, ease of handling and waste acid elimination make SULFAN worth your prompt investigation. Write today for technical information. A letter outlining your specific needs will enable us to supply data of value to you. As always, information regarding your process will be held in strict confidence.

CHEMICAL PROGRESS WEEK-APRIL 22-28

Product Development Department

GENERAL CHEMICAL DIVISION

ALLIED CHEMICAL & DYE CORPORATION

40 Rector Street, New York 6, N. Y.

Allied Chemical

Basic Chemicals for American Industry

Sandalwood, East Indies, chips, bgs. .65 - .68
powd., fib. dms. lb. .75 - .76
Sarsaparilla root, Jmp., Honduras, bls. lb. .58 - .62
Mexican, bls. lb. .58 - .62
Sassafras root bark, ord., bls. lb. .45 - —
select, bbls. lb. .65 - —
Schaeffer's salt, paste, dms., frt. alld., 100% basis lb. .95 - —
powd., bgs., frt. alld., 100% basis. lb. .95 - —
Scopolamine hydrobromide, USP, bots oz. 17.40 - —
Seidlitz mixture, bbls., 5,000-lb. lots lb. .30½- —
smaller lots lb. .31 .32
Selenium, powd., dms., dlvd. lb. 13.50 -15.50
Senega root, bls. lb. 3.10 - —
Senna leaves, Alex., whole and half, bls. lb. .19 - —
siftings lb. .17 - —
Tinnevelly, No. 1, bls. lb. .16 - .18
No. 2, bls. lb. .13 - .15
No. 3, bls. lb. .11 - .13
powdered, bbls., bxs. lb. .18 - —
pods, bls. lb. .14 - —
Serpentaria, root, bls. lb. 5.50 - —
Sesame seed, Egyptian, nat. lb. .16¾- —
hulled lb. .21 - —
Nicaragua, hulled, shipt., bgs. lb. .17½- —
nat., bgs. lb. .25½- —
Salvadorian, natural lb. .17½- —
Syrian, bgs., natural lb. .16 - —
Shellac, bleached, bonedry, bgs., 1,500-lb. lots lb. .61 - —
bbls., 1,500-lb. lots lb. .63 - —
kgs., 1,500-lb. lots lb. .64 - —
refd., bgs., 1,500-lb. lots lb. .69 - —
bbls., 1,500-lb. lots lb. .71 - —
kgs., 1,500-lb. lots lb. .72 - —

Bonedry shellac prices for less than 1,500 lb lots 1c. per lb. higher for all packages.

Lemon No. 1, bgs., 10-bg. lots. lb. .53 - —
No. 2, bgs., 10-bg. lots lb. .51 - —
Superfine bgs., 10-bg. lots lb. .49 - .50
TN, bgs., 10-bg. lots lb. .48 - —

Shellac in 1 to 10-bg. lots 1c. per lb. more.

Shingle stain oil (see Oil, shingle stain).

Silica, amorph., dry-grd., 325 mesh, bgs., c.l., works ton. 25.00 - —
l.c.l., works, exwnse ton. 45.00 -55.00
Hard-quartz, 99½, 325 mesh, bgs., c.l., works ton. 20.00 - —
l.c.l., works ton. 25.00 -30.00
140 mesh, bgs., c.l., works ton. 15.00 - —
l.c.l., works ton. 20.00 - —
Silicon tetrachloride, tech., dms., c.l., works lb. .18 - —
l.c.l., works lb. .22 - .30½
tanks, works lb. .17 - —
Silver bullion, ingots, cs. Troy oz. .91⅛- —
Cyanide, fib. dms., 2,500-oz. lots. oz. .83¼- —
1,000-oz. lots oz. .83⅜- —
500-oz. lots oz. .83¾- —
100-oz. lots oz. .84 - —
Nitrate, CP, cryst., bots., 2,500-oz. lots oz. .59½- —
1,000-oz. lots oz. .61 - —
500-oz. lots oz. .61¼- —
250-oz. lots oz. .61¾- —

USP granular silver nitrate 4c. per oz higher.

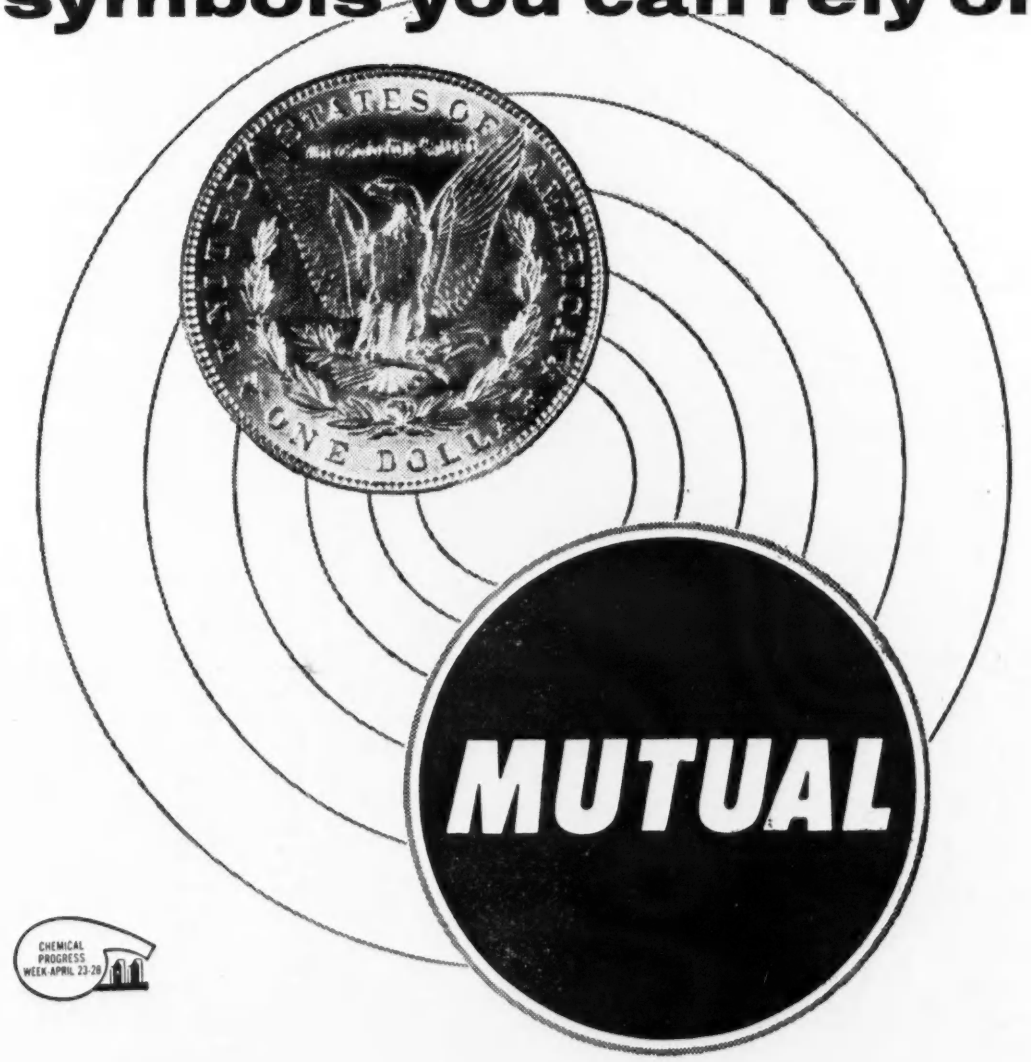
Proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. 1.05 - —
strong, NF, bots., dms., 1,000-oz. lots oz. 1.00 - —
Soapbark, whole, bls. lb. .38 - .40
crushed, bls., bbls. lb. .45 - —
powd., bbls. lb. .45 - —
Soda ash, dense, 58%, paper bgs., c.l., works 100 lbs. 1.80 - —
l.c.l., stock points 100 lbs. 2.90 - 4.67
bbls., c.l., works 100 lbs. 2.40 - —
l.c.l., stock points 100 lbs. 3.55 - 4.22
bulk, c.l., works 100 lbs. 1.50 - —
light, 58%, paper bgs., c.l., works 100 lbs. 1.75 - —
l.c.l., stock points 100 lbs. 3.85 - 4.62
bbls., c.l., works 100 lbs. 2.30 - —
l.c.l., stock points 100 lbs. 3.35 - 5.62
bulk, c.l., works 100 lbs. 1.45 - —
Soda, caustic, flake, 76%, dms., c.l., works, frt. equald 100 lbs. 4.50 - —
l.c.l., stock points 100 lbs. 5.60 - —
liq., 50% sellers, tanks, works, dry basis 100 lbs. 2.80 - —
rayon type, sellers' tanks, works, dry basis 100 lbs. 2.80 - 2.90
70%, sellers' tanks, works, dry basis 100 lbs. 2.90 - —
rayon-type, sellers' tanks, works, dry basis 100 lbs. 2.90 - 3.00
solid, 76%, dms., c.l., works. 100 lbs. 4.10 - —
l.c.l., stock points 100 lbs. 5.20 - —
Sal., conc., bgs., c.l., works. 100 lbs. 2.30 - —
smaller lots, works 100 lbs. 2.60 - —
Sodium acetate, anhyd., bgs., c.l., works lb. .13 - —
dms., c.l., works lb. .13¾- —
NF, 60%, gran., dms., c.l., works lb. .14 - —
l.c.l., works lb. .15½- —
Alginate, NF, white powd., dms., ton lots, works lb. .87 - 1.30
refd., bbls., works lb. .83 - —
p-Aminosalicylate, dms., 1,000-lb. lots or more lb. 2.25 - —
smaller lots lb. 2.35 - 2.45
p-aminosalicylate, dms., 1,000-lb. lots or more, frt. adjusted lb. 3.75 - —
smaller lots, same basis lb. 3.80 - 4.25
Antimoniate, bbls., c.l., dlvd. E lb. .28 - —
l.c.l., dlvd. E lb. .29½- —
Arsenate, 45% arsenic pentoxide, dms., c.l., works lb. .12½- —
l.c.l., works lb. .13¾- .14½
Arsenite, 90%, pink powder, 75% arsenious oxide, dms., works. lb. .12¼- —
l.c.l., works lb. .13 - .14½
soln., dms., works gal. .59 - .67
Ascorbate, dms., 25-50 kilo lots kilo. 16.00 - —
10-kilo lots kilo. 16.35 - —
5-kilo lots kilo. 16.75 - —
1-kilo lots kilo. 17.00 - —
bots 500-gram lots kilo. 17.50 - —
Benzoate, tech., bbls., dms., lots or more lb. .39 - —
USP, bbls., dms., 100-lb. lots, or more lb. .46 - —
Bicarbonate, USP, gran., bgs., c.l., works 100 lbs. 2.80 - —
l.c.l., works 100 lbs. 3.55 - —
powd., bgs., c.l., works. 100 lbs. 2.40 - —
l.c.l., works 100 lbs. 3.15 - —
Bichromate, bgs., c.l., works lb. .12¼- —
l.c.l., works lb. .12¾- .13¾
Bifluoride, bbls., c.l., works, frt. equaled lb. .18½- —
l.c.l., same basis lb. .1890- —
Bisulfate, bulk, c.l., works 100 lbs. 2.00 - —
dms., c.l. frt. equald 100 lbs. 3.00 - 3.60
l.c.l., frt. equald 100 lbs. 3.50 - 4.10
Bisulfite, anhyd., bgs., c.l., works. 100 lbs. 4.50 - —
l.c.l., works 100 lbs. 4.90 - —
soln., 35°, bbls., c.l., works. 100 lbs. 1.55 - —
l.c.l., works 100 lbs. 2.05 - —
Borate (see Borax).

Sodium bromide, USP, bbls., works. lb. .36 - —
Carboxymethyl cellulose (see CMC).
Carbonate, cryst., monohydrated (see Soda, sal).
monohydrated, bgs., c.l., works. 100 lbs. 3.00 - —
l.c.l., works 100 lbs. 3.40 - —
Chlorate, cryst., dms., c.l., works. lb. .09 - —
l.c.l., works lb. .10½- .11¼
Chloride, tech. (see Salt).
USP, bgs. lb. .05 - .12
Chlorite, tech., dms., c.l., works. lb. .58 - —
20-ton lots or more, works. lb. .66 - —
smaller lots, works lb. .70 - .73
Chloroacetate, tech., dms., c.l., works lb. .27 - —
l.c.l., works lb. .28 - —
Chromate, dms., c.l., works lb. .13¼- —
l.c.l., same basis lb. .13¾- .15
Citrate, anhyd., dms lb. .62 - —
NF VIII, gran., dms lb. .26½- .27½
USP, XIV gran., dms lb. .29½- .30½
Sodium citrate, USP, powd. higher. prices ½c.
Cyanate, dms., 1,000-lb. lots, works lb. .85 - 1.10
smaller lots, works lb. 1.00 - 1.25
Cyanide flake, 96-98%, dms., c.l., or 20,000-lb. lots lb. .178 - —
over 1,000-lb lots lb. .188 - —
100-lb. to 1,000-lb. lots lb. .198 - —
Granular sodium cyanide 1c. higher.
Diacetate, 33-35% acidity, 250-lb. dms., works lb. .15 - —
l.c.l., works lb. .15¾- —
anhyd., dms., c.l., works lb. .18 - —
l.c.l., works lb. .18¾- —

Sodium dichromate (see Sodium bichromate).
Ferrocyanide, bgs., 10-ton lots. lb. .13½- —
smaller lots lb. .14 - —
Fluoride, white, 97%, fib. dms., c.l., works, frt. equald lb. .1390- —
l.c.l., works lb. .1430- —
Formate, bgs., c.l., works lb. 7.60 - —
l.c.l., works 100 lbs 8.65 - —
Gentisate, 100-lb. fib. dms lb. 8.50 - —
Gluconate, refd., dms lb. .80 - .83
tech., dms lb. .35 - —
Glutamate, mono., dms., c.l. lb. 1.20 - —
Hydride, dms., works lb. 1.80 - 3.00
Hydrosulfide (see Sodium sulfhydrate).
Hydrosulfite, dms., c.l., frt. alld. lb. .22 - —
l.c.l., frt. alld lb. .22½- —
Hydroxide, NF, pellets, 100-lb. dms., 1 to 100-dm. lots lb. .18½- .23
technical (see Soda, Caustic).
Hypophosphite, NF, dms., ton-lots or less lb. .95 - .98
Hyposulfite, NF (see Sodium thiosulfate)
pea crystals, bgs 100-lbs. 4.50 - —
gran., bgs., c.l., works 100 lbs. 4.75 - 5.00
Hyposulfite, photo grade, bgs., c.l., works 100 lbs. 4.50 - 4.75
l.c.l., works 100 lbs. 5.00 - 5.05

Sodium hyposulfite, tech., bgs., works 100 lbs. 4.50 - —
l.c.l., works 100 lbs. 4.90 - 6.90
Sodium hyposulfite crystals in bbls., 50c. higher.
Iodide, USP, bots., dms lb. 2.55 - 2.62
Lactate, edible, 50%, cbys., dms., works lb. .21½- —
60% cbys., dms., works lb. .26½- —
tech., 50%, cbys., dms., works lb. .16½- —
Lauryl sulfate, dms., c.l., dlvd lb. .21 - —
l.c.l., dlvd lb. .22 - —
tanks, dlvd lb. .18½- —
Metabisulfite (see Sodium bisulfite).
Metaborate, octahydrate, gran., bgs., c.l., works ton. 85.00 - —
l.c.l., ex whse ton. 135.50 -140.50
Sodium metaborate octahydrate in bbls, $24.50 per ton higher.
Metaborate tetrahydrate, dms., c.l., works ton. 204.00 - —
Metallic bricks, 14,000-lb. lots or more, works lb. .17 - .19
less than 14,000-lb. lots, works. lb. .175 - .195
tanks, works lb. .16 - —
Metanilate, bbls., frt. alld lb. .62 - —
Metasilicate, anhyd., bgs., c.l., works 100 lbs. 5.35 - —
l.c.l., works 100 lbs. 5.65 - 7.55
dms., c.l. 100 lbs. 5.75 - —
l.c.l. 100 lbs. 6.10 - 8.00

"symbols you can rely on"



CHEMICAL PROGRESS WEEK-APRIL 23-28

● The seal of the United States when stamped on a silver dollar assures the holder that the coin is legal tender. As such, it is accepted throughout the world in payment for goods and services.

The Mutual seal is accepted by chromium chemical buyers with a comparable degree of confidence. Over the years Mutual has acquired an enviable reputation for quality products and dependable performance. If you are not now using Mutual Chromium Chemicals, we would be glad to consult with you on the merits of our products and service which lead so many to rely on the Mutual trade mark.

SODIUM BICHROMATE
•
POTASSIUM BICHROMATE
•
SODIUM CHROMATE
•
CHROMIC ACID
•
AMMONIUM BICHROMATE
•
KOREON (one-bath chrome tan)

MUTUAL CHEMICAL DIVISION
ALLIED CHEMICAL & DYE CORPORATION
99 PARK AVENUE • NEW YORK 16, N. Y.

Sodium Metasilicate Pentahydrate—Stearine Oleo

Sodium metasilicate pentahydrate, bgs., c.l., works 100 lbs. 4.25 - —
l.c.l., works 100 lbs. 4.60 - 6.50
dms., c.l., works 100 lbs. 4.75 - —
l.c.l., works 100 lbs. 5.10 - 7.00
Molybdate, anhyd., dms., dlvd lb. .88 - —
cryst., dms., works lb. .69 - .73
Monohydrate (see Sodium carbonate monohydrated).
Naphthionate, bbls lb .70 - —
Nitrate, crude, dom., bgs., c.l., works ton.47.00 - —
bulk, c.l., works ton 43.50 - —
imp., 100-lb. bgs., c.l., Atl. Gulf, Pac., whse ton.51.25 - —
bulk c.l. same basis ton.47.75 - —
Nitrite, USP, bbls., c.l., works, frt. equaled lb. .08 - —
l.c.l., same basis lb. .09½- —
Orthosilicate, conc., dms., c.l., works 100 lbs. 6.30 - —
l.c.l., works 100 lbs. 6.65 - 7.25
hydrated, flake, bbls., c.l., works 100 lbs. 5.40 - —
l.c.l., works 100 lbs. 7.30 - 7.65
Oxalate, 88%, bgs., works 100 lbs.10.85 - —
Para-aminobenzoate (see Sodium p-Aminobenzoate).
Para-aminosalicylate (see Sodium p-Aminosalicylate).

Sodium pentachlorophenate, briquets, bgs., c.l., works, frt. equald lb. .25 - —
l.c.l., same basis lb. .26½- .33
pellets, bgs., c.l. same basis lb. .25 - —
l.c.l., same basis lb. .26½- .33
Pentachlorophenate, powd., bgs., dms., c.l., same basis lb. .24 - —
l.c.l., same basis lb. .25½- .32
Pentachlorophenate, 20,000 lbs., min. truckloads, ¼c. per lb. over carlot prices.
Perborate, NF, tech., bgs., c.l., works lb. .173 - —
l.c.l., works lb. .178 - —
Peroxide, dms., c.l., dlvd, E. of Miss lb. .1860- —
l.c.l. same basis lb. .1910- .1960
Phenosulfonate, USP IX, gran., dms lb. .44 - .45
Phosphate, dibasic, anhyd., bgs., c.l., frt equald 100 lbs. 7.45 - —
l.c.l., works 100 lbs. 7.85 - —
USP dried powd. bgs., dms., works lb. .19 - .20½
monobasic anhyd., bgs., c.l., frt. equald 100 lbs. 8.70 - —
l.c.l., frt. equald 100 lbs. 9.10 - 9.70
duohydrate, bgs., c.l., frt. equald 100 lbs. 7.20 - —
l.c.l., frt. equald 100 lbs. 7.60 - 8.20
tribasic, anhyd., bgs., c.l., frt. equald 100 lbs. 8.65 - —
l.c.l., frt. equald 100 lbs. 9.05 - 9.65

Sodium phosphate, tribasic, cryst., bgs., c.l., t.l., frt. equald, 100 lbs. 4.40 - —
l.c.l., frt. equald 100 lbs. 4.80 - 5.40
Sodium phosphates in dms., 60c. higher than bgs.
Prussiate, yellow (see sodium ferrocyanide).
Pyrophosphate, acid, bgs., c.l., works, frt. equald 100 lbs.10.60 - —
l.c.l., works 100 lbs.11.35 -11.60
ferric, dms., 1,500-lb. lots, works lb. .38½- —
smaller lots, works lb. .41½- .43½
tetrabasic, anhyd., bgs., c.l., works, frt. equald 100 lbs. 7.52½- —
l.c.l., frt. equald 100 lbs. 7.92½- 8.52½
Salicylate, USP, dms lb. .71 - .74
powd. dms lb. .47 - .48
Sesquicarbonate, bgs., c.l., works. 100 lbs. 2.25 - —
l.c.l., dlvd., zone 1 100 lbs. 4.00 - 4.25
zone 2 100 lbs. 4.25 - 4.50
zone 3 100 lbs. 4.65 - 4.80
zone 4 100 lbs. 5.25 - 5.50
Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia. and St. Louis; (2) Ark. E. of 98° Ga.; Iowa (except Davenport), Minn., Mo (except St. Louis), Neb., E. of 98° N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No of 31°; (3) Ark. W. of 96°, Kan., Neb. W. of 98°; N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls, excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Sodium sesquisilicate, hydrated, bgs., c.l., works 100 lbs. 4.80 - —
l.c.l., works 100 lbs. 6.40 - 8.50
dms., c.l., works 100 lbs. 5.20 - —
l.c.l., works 100 lbs. 7.15 - 7.40
Silicate, liq., 40° Be, 1:3.2, turbid, dms., c.l., works 100 lbs. 1.45 - —
l.c.l., works 100 lbs. 1.80 - 2.30
tanks, works 100 lbs. 1.10 - —
47° Be, turbid, 1:2.9, dms., c.l., works 100 lbs. 2.10 - —
l.c.l., works 100 lbs. 2.70 - 2.95
tanks, works 100 lbs. 1.75 - —
52° Be, turbid, 1:2.4, dms., c.l., works 100 lbs. 2.45 - —
l.c.l., works 100 lbs. 2.80 - 3.30
tanks, works 100 lbs. 2.10 - —
solid, 1:3.2, bgs., works ton.62.50 - —
Silicofluoride, bgs., c.l., works lb. .075 - —
l.c.l., works lb. .079 - —
Sodium silicofluoride in dms., 0.4c. per lb. higher.
Stannate, dms., works, frt. alld. E lb. .575 - .629
Sulfa drugs (see Sulfa name).
Sulfanilate, bbls., works lb. .22 - —
Sulfate, NF, VII, dried, powd., dms lb. .22½- —
tech., anhyd., bgs., c.l., dlvd. E ton.52.00 - —
detergent grade, bgs., c.l., works ton.34.00 - —
rayon grade, bgs., c.l., works. ton.31.00 - —
USP, cryst., fib. dms lb. .17½- .18
gran., fib. dms lb. .17½- .18
Sulfhydrate, flake, 70-72%, dms., c.l., works lb. .06½- —
l.c.l., works lb. .07½- —
liq. 40-44%, tanks, works, 100% basis ton.115.00 - —
Sulfide, flake, dms., c.l., works, E., frt. equald lb. .05¼- —
l.c.l., same basis lb. .06¼- —
fused, bbls., c.l., works E., frt. equald lb. .04¾- —
l.c.l., same basis lb. .05¼- —
Sulfite, anhyd., bgs., c.l. 100 lbs. 3.00 - —
l.c.l., same basis 100 lbs. 3.50 - —
Sulfocyanide CP (see Sodium thiocyanate).
Tetraborate (see Borax).
Tetrasulfide, liq., 40%, dms., c.l., works lb. .03½- —
l.c.l., works lb. .04½- —
Thiocyanate, CP, dms lb. .55 - .65
tech., anhyd., 1 ton lots or more, works lb. .317 - —
less than ton lot, works lb. .337 - —
Thiosulfate, NF, cryst., bbls lb. .12½- —
tech (see Sodium hyposulphite).
Titanate, etns., c.l., works lb. .10½- —
5-ton lots, works lb. .10¾- —
1-ton or less, works lb. .11 - —
Toluene sulfonate, dms., c.l., or t.l. lb. .38 - —
l.c.l. lb. .43 - —
Trichloroacetate, 90%, 100-lb. dms., c.l., frt. alld. E lb. .37½- —
l.c.l., frt. adjusted, E lb. .39½- —
50 lb. dms., c.l., frt. alld E. lb. .38 - —
l.c.l., frt. adjusted E lb. .40 - —
10-lb. cns., c.l., frt. alld. E. lb. .44 - —
l.c.l., frt. adjusted E lb. .46 - —
Prices on Sodium trichloroacetate W. of the Rockies are 1¾c. per pound higher.
Tripolyphosphate, bgs., c.l., works, frt. equald 100 lbs. 7.87½- —
l.c.l., same basis 100 lbs. 8.27½- 8.87½
Trisilicate, powd., 1:3.2, bgs., c.l., works 100 lbs. 8.65 - —
l.c.l., works 100 lbs. 9.40 - 9.80
dms., c.l., works 100 lbs. 9.05 - —
l.c.l. works 100 lbs. 9.80 -10.20
Tungstate, tech., kgs., dlvd. E lb. 2.15 - —
Sodium-ammonium phosphate, bbls., works, frt. equald lb. .23 - —
Sodium carboxymethyl cellulose (see CMC).
Sodium-cinchophen (see Cinchophen-sodium).
Sodium-formaldehyde sulfoxylate, dms., c.l., dlvd lb. .21 - —
l.c.l., same basis lb. .21½- —
Sodium-zirconyl sulfate, fiber dms., 1,000-lb lots or more works lb. .28 - —
smaller lots, same basis lb. .30 - —
Solvent naphtha, coaltar, high flash, tanks, frt. equald gal. .31 - .35
petroleum (see Petroleum solvent, partial aromatic).
Sorbitan monostearate, fib. dms., 20,000-lb. lots, works lb. .32 - —
10,000 to 20,000-lb. lots, works. lb. .34 - —
smaller lots, works lb. .37 - .39
Tristearate, fib. dms., 20,000-lb. lots, works lb. .33 - —
10,000 to 20,000-lb. lots, works. lb. .35 - —
smaller lots, works lb. .38 - .40
Sorbitol, cryst., resin grade, pellets, dms., c.l., works lb. .23 - —
1 to 5-ton lots, works lb. .25 - .26
powd., dms., 1 to 5-ton lots, works lb. .38 - .39
soln., coml., aqueous, dms., c.l., works lb. .24¼- —
ton lots, works lb. .25 - —
smaller lots, works lb. .25¼- —
tanks, works lb. .23¼- —
reg., 70%, aqueous dms., c.l., works lb. .16 - —
ton lots, works lb. .16¾- —
smaller lots, works lb. .17 - —
tanks, works lb. .15 - —
Soybean meal, 44%, bulk, Decatur. ton.47.50 - —
protein, chemically isolated, bgs., c.l., works lb. .23 - —
mechanically refd., bgs., l.c.l., works lb. .066 - —
Sparteine sulfate, cns oz. .80 - .85
Spearmint leaves, dom., bls lb. .75 - —
Spruce extract, liq., reg. tanks, works lb. .01¾- —
powd., super, bgs., c.l., works. lb. .05¼- —
l.c.l. works lb. .05½- —
Squill, white, bls lb. .16 - .18
powd., bbls., bxs lb. .17 - .20
St. John's bread, edible, bls lb. .13 - .15
Stannic chloride, anhyd., dms., works lb. .79 - .80
Oxide, dms., dlvd. E lb. 1.03 - 1.04
Stannous chloride, anhyd., dms., works lb. .915 - 1.183
hydrous, cryst., dms., works. lb. .80 - .81
Sulfate, dms., works lb. .97 - .99
Starch, corn, pearl, paper bgs., c.l., 100 lbs. 7.17 - —
l.c.l. 100 lbs. 7.32 - —
powd., paper bgs., c.l. 100 lbs. 7.29 - —
l.c.l. 100 lbs. 7.44 - —
Prices for corn starch in cotton bags, 15c. per 100 lbs. higher.
Potato, dom., Idaho, bgs., c.l., works lb. .06 - —
Maine, bgs., c.l., works lb. .06¼ Nom.
ex whse, N. Y. lb. .08¼- .09
Rice, bgs., l.c.l. lb. .15½- .16
Wheat, bgs lb. .08½- .09
Star root (see Helonias root).
Stargrass Root (see Aletris root).
Stavesacre seed, bgs lb. .60 - .61
Stearine oleo (see Oleostearine).

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Stramonium leaves, bgs ..... lb. .18 - .20
Streptomycin hydrochloride, bulk, gram. .063 - .07
Strontium bromide, NF, cns., dms. lb. .73 - .84
Carbonate, pure, dms., 5-ton lots or more, works lb. .35 - —
1-ton lots, works ..... lb. .37 - —
tech., dms., works ..... lb. .19 - —
Chromate, bbls., works ..... lb. .46 - —
Iodide, jars, 25-lb. lots ..... lb. 3.42 - —
Nitrate, bbls., c.l., works .100 lbs. 11.00 - —
l.c.l., works ..... 100 lbs. 12.00 - —
Salicylate, NF, dms ..... lb. 1.75 - —
Sulfate, air floated, 90%, 325 mesh, bgs., works ton 56.70 -66.15
Strophanthin, K, bots ..... oz. 25.00 -25.50
G. (see Ouabain, USP).
Strophanthus seed, Kombi, biologically tested, bgs lb. 3.50 - 3.75
Strychnine, NF, powd., cns., 100-oz. lots oz. 1.10 - —
Phosphate, NF, cns., 100-oz. lots oz. 1.14 - —
Sulfate USP, cryst., cns., 25-oz. lots oz. .96 - —
powd., 100-oz. lots ..... oz. .85 - —
Styrax, USP, cs ..... lb. .78 - .80
Styrene monomer, polymer grade, 99½%, dms., c.l., frt. alld. lb. .22½- —
l.c.l., same basis ... lb. .23½- —
tanks, same basis .... lb. .20½- —
synthetic rubber grade, 99%, dms., c.l., frt. alld. lb. .18½- —
l.c.l., same basis .... lb. .19½- —
tanks, same basis ..... lb. .16½- —
Styrolyl acetate, bots ..... lb. 1.45 - 1.70
Sucrose, crude, bgs., dlvd., N. Y. lb. .0555- —
refd., white, bgs., refy., E ... lb. .0855- —
Octa-acetate, denaturing grade, 100-200-lbs., bgs., l.c.l., works lb. .76 - —
Sugar (see Sucrose, crude, refined).
Sulfabenzamide, dms ..... lb. 4.00 - 4.50
Sodium, dms ..... lb. 4.10 - 4.60
Sulfacetamide, fib. dms ..... lb. 4.00 - 4.20
Sodium fib. dms ..... lb. 5.00 - 5.20
Sulfadiazine, USP, microcrystals, dms lb. 10.60 -11.10
powd., dms ..... lb. 10.25 -10.75
Sulfadiazine-sodium, USP, dms lb. 11.25 -11.75
microcrystals, dms. ..... lb. 11.60 -12.10
Sulfaguanidine, USP dms ..... lb. 2.50 - —
Sulfamerazine, USP, microcrystals. lb. 10.65 -11.15
Sulfamerazine-sodium, USP, dms., lb. 11.25 -11.75
Sulfamethazine, microcrystals, dms., lb. 8.90 - 9.40
powd., dms ..... lb. 8.50 - 9.00
Sulfanilamide, USP, 30-80 mesh., dms lb. 1.40 - 1.60
microcrystals, dms. ..... lb. 1.70 - 1.90
powd., dms ..... lb. 1.30 - 1.50
Quinoxaline, veterinary, dms. lb. 6.40 - 6.75
Sulfapyridine, NF powd., bots., tins. lb. 7.00 - 7.50
Sulfapyridine-sodium, monohydrate, dms lb. 7.50 - 8.00
Sulfathiazole, USP, microcrystals, dms lb. 2.85 - 3.00
powd., dms ..... lb. 2.50 - 2.65
Sulfathiazole-sodium, USP, dms lb. 2.75 - 2.90
Sulfur, coml., flour, bgs., mines 100 lbs. 2.30 - —
bbls., mines ..... 100 lbs. 3.05 - —
lump, bgs., mines ..... 100 lbs. 2.20 - —
bbls., mines ..... 100 lbs. 2.65 - —
crude, bulk, c.l., mines, contract. long-ton 26.50 - —
export, f.o.b. vessels, Gulf ports long-ton 28.00 -31.00
domestic and Canada, f.o.b. vessel Gulf port long-ton 28.00 - —
refd., flowers, USP, bgs., mines. 100 lbs. 4.00 - —
bbls. ..... 100 lbs. 5.25 - —
flour, light bgs., mines .. 100 lbs. 3.60 - —
bbls., mines ..... 100 lbs. 4.50 - —
lump, bgs., mines ..... 100 lbs. 3.30 - —
rolls, bgs., mines ..... 100 lbs. 3.85 - —
bbls., mines ..... 100 lbs. 4.40 - —
salt block, bgs., mines 100 lbs. 3.50 - —
virgin block, bbls., mines. 100 lbs. 3.45 - —
Rubbermakers, coml., reg., bgs., mines .. 100 lbs. 2.40 - —
bbls., mines 100 lbs. 3.55 - —
98-100% passing through 325 mesh, bgs., mines 100 lbs. 2.50 - —
bbls., mines ..... 100 lbs. 3.65 - —
refd., bgs., mines ..... 100 lbs. 3.25 - —
bbls., mines ..... 100 lbs. 4.30 - —
treated, 2.5% mineral oil, bgs., mines .. 100 lbs. 2.70 - —
bbls., mines .. 100 lbs. 3.85 - —
10% pine tar, bgs., mines. 100 lbs. 3.90 - —
Dichloride, dms., c.l., works, frt. equald .. lb. .04 - —
l.c.l., same basis ..... lb. .04¾- —
tanks, same basis ..... lb. .03¾- —
Dioxide, liq., coml., cyls., works, frt. equald lb. .10 - .12
multi unit cars, works .. lb. .0535- —
tanks, works ..... lb. .045 - —
refrigeration, 150-lb. cyls., dlvd lb. .30 - —
Monochloride, 55-gal., dms., c.l., frt. equald lb. .04 - —
l.c.l., same basis ..... lb. .04¾- —
tanks, same basis ..... lb. .03¾- —
Sumac leaves, 28%, bgs., ex-dock, ton 132.00 - —
ground, bgs., ex-dock .... ton 127.00 - —
Superphosphate, run-of-pile, under 22% a.p.a. pulv., bulk, c.l., Balto., unit-ton. .88 - .91
" Carteret, N. J. unit-ton. .88 - .91
triple, 48% or more, a.p.a., pulv., bulk, c.l., East Tampa, Fla. unit-ton. .98 - —

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2,4,5-T, dms., c.l., works, frt. equald. lb. 1.18 - —
l.c.l., same basis ..... lb. 1.25 - —
Isopropyl ester, dms., c.l., works, frt. equald .. lb. 1.24 - —
l.c.l., works ..... lb. 1.29 - —
Talc, dom., ord., Calif., grd., bgs., c.l., works ton 32.00 -38.50
Vermont off color grd., bgs., c.l., works ton 18.40 - —
l.c.l., works ..... ton 36.00 - —
fibrous, New York, grd., bgs., c.l., works .. ton 27.00 - —
l.c.l., works .... ton 30.00 -35.00
99.5%, 325 mesh, bgs., c.l., works .. ton 30.00 - —
l.c.l., works ..... ton 33.00 - —
99.95% micronized, bgs., works .. ton 37.00 - —
imp., Canadian, grd., bgs., c.l., mines ton 20.00 45.00
Tallow, edible, tanks, dlvd ..... lb. .10 - —
inedible, extra, tanks, dlvd .... lb. .07¼- —
fancy, bleachable, tanks, dlvd., lb. .07⅜- —
guaranteed, dms., f.a.s. lb. .09 - —
No. 1, tanks, dlvd ..... lb. .06⅞- —
special tanks, dlvd ..... lb. .07 - —
sulfonated, 25%, bbls., l.c.l. lb. .08¾- .09
50%, bbls., l.c.l ..... lb. .09¾- .10¼
Tankage, animal, feeding, 9-11% ammonia, bulk .. unit-ton. 4.00 - —
Chicago, bulk .. unit-ton. 4.50 - —
Tapioca flour, Brazilian, bgs., ex whse lb. .07¾- .08¼
Siamese, top grade, bgs., ex whse .. lb. .07⅛- .07¾

Tar acid oil, 15-18%, dms., c.l., frt. equald gal. .47 - .49
l.c.l., same basis ..... gal. .50 - .51
tanks, same basis ..... gal. .39 - —
85-28%, dms., c.l., same basis. gal. .54 - .56
l.c.l., same basis ..... gal. .57 - .58
tanks, same basis ..... gal. .46 - —
50-53%, dms., c.l., same basis. gal. .70 - .72½
l.c.l., same basis ..... gal. .73½- .74½
tanks, same basis ..... gal. .62½- —
Coal (see Coaltar).
Tartar, emetic (see Antimony-potassium tartrate).
Terpine glycol ether, dms., c.l., works .. lb. .23½- —
l.c.l., works ..... lb. .25½- —
tanks, works ..... lb. .22 - —
Hydrate, NF, cryst., powd., fib. dms. lb. .67½- .74
Terpineol, dms., l.c.l, dlvd. E lb. .20¾- —
extra, dms ..... lb. .41 - .60
prime, dms ..... lb. .30 - .45
Terpinyl acetate, extra, cns., dms. lb. .60 - .75
prime, dms ..... lb. .55 - .70
Propionate, dms ..... lb. 1.75 - 2.00
Terra alba (see Gypsum).
Testosterone, USP, 100-gm. lots, bots. gram. .70 - —
Propionate, USP, 100-gm. lots, bots. gram. .65 - —
Tetrachloroethane, dms., works lb. .14½- —
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Tetrachloroethylene, tech (see Perchloroethylene).
USP, 55 gal. dms., works ..... lb. .20½- .21½
smaller dms., works ..... lb. .23½- .25
Tetraethyl orthosilicate, dms., c.l., dlvd. E lb. .61½- —
l.c.l., dlvd. E ..... lb. .62½- —
Pyrophosphate, 40%, cns., dms., frt. equald .. lb. .75 - —
Tetraethylenepentamine, dms., c.l., dlvd. E lb. .49 - —
l.c.l., dlvd. E ..... lb. .50 - —
tanks, dlvd. E ..... lb. .47 - —
Tetrahydrofuran, dms., c.l., or t.l., works lb. .36½- —
l.c.l., or l.t.l., works ..... lb. .37 - —
tanks, works ..... lb. .35 - —
Tetrapotassium phosphate (see Potassium phosphate).
Thallium metal, dlvd ..... lb. 12.50 -15.00
Sulfate, 99%, bots., dlvd ..... lb. 8.00 -13.00
Theobromine, NF, fib. dms ..... lb. 3.25 - —
And sodium acetate, USP, fib. dms .. lb. 4.00 - —
Sodio-Salicylate, NF, fib. dms .. lb. 3.30 - —
Theophylline, anyhd. or USP, 100-lb. dms lb. 3.65 - —
Thiamine hydrochloride, USP, regular or ampul-type, fib dms. lar fib. dms .. kilo. 60.00 - —
ampule grade ..... kilo. 62.00 - —
Mononitrate, USP, fib. dms .. kilo. 62.00 - —
Thiocarbanilide, dms., ton lots .. lb. .72 - —
less tons lots ..... lb. .74 - —
Thiodiphenylamine (see Phenothiazine).
Thiourea, tech., dms., c.l., frt. alld. lb. .36 - —
l.c.l., works ..... lb. .38 - —
Thorium nitrate, purif., fib. dms., 100-lb. lots or more, works lb. 3.50 - —
dl-Threonine, bots., 1-kilo lots. kilo. 450.00 -500.00
Thyme leaves, French, bgs ..... lb. .19 - .22½
Spanish, bgs. ..... lb. .09 - —
Thymol, fib. dms ..... lb. 2.25 - 2.38
Iodide, NF, dms ..... lb. 7.30 - —
Timbo root (see Cube root)
Tin chloride (see Stannous chloride, anhydrous).
crystals (see Stannous chloride, hydrous).
Metal (Straits) ..... lb. 1.00½- —
Oxide (see Stannic oxide).
Sulfate (see Stannous sulfate).
Tetrachloride anhyd. (see Stannic chloride, anhydrous)
Titanium dioxide anatase, chalk-resistant, bgs., c.l., dlvd. lb. .24½- —
l.c.l., dlvd ..... lb. .25½- —
ceramic, bgs., c.l., dlvd .... lb. .22½- —
l.c.l., dlvd. ..... lb. .23½- —
reg., bgs., c.l., dlvd ..... lb. .22½- —
l.c.l., dlvd ..... lb. .23½- —
metallurgical, nat., gran., bgs., c.l., f.o.b. Jacksonville, Fla. ton 120.00 - —
Niagara Falls, N. Y., c.l., ton 137.50 - —
5-ton lots ..... ton 142.50 - —
ton lots ..... ton 147.50 - —
rutile, nonchalking, bgs., c.l., dlvd. E lb. .26½- —
l.c.l., dlvd E ..... lb. .27½- —
Milled titanium dioxide $7.50 per ton higher.
Hydride, cns., works ..... lb. 7.95 - 9.00
Pigment, calcium-rutile base, reg., bgs., c.l., dlvd. lb. .09¼- —
l.c.l., works ..... lb. .09¾- —
high-tinting, dms., c.l ..... lb. .09 - —
l.c.l. ..... lb. .09½- —

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Titanium tetrachloride, tech., dms., c.l., works lb. .40¾- —
l.c.l., works lb 43¾- —
tanks, works lb. 39¾- —
dl-a-Tocopherol, bots kilo.149 65 • —
Acetate kilo.136.00 • —
d-a-Tocopherol acetate kilo.185.00 • —
d-a-Tocopherol acid succinate kilo.165.00 • —
o-Tolidine base, dry or paste, 100% basis, kgs lb. 1.40 • —
Hydrochloride, paste, 100% basis, lb. 1.35 • —
Tolu balsam, cns. lb 4.25 4.50
Toluene (see Toluol).
p-Toluenesulfonamide, powd., dms., works lb. .70 • —
m-Toluidine, dms., c.l., works, frt. alld lb. .79 • —
l.c.l., same basis lb. .80 • —
tanks, same basis lb. .78 • —
o-Toluidine, dms., c.l., works, frt. alld lb. .23 • —
l.c.l., same basis lb. .24 • —
tanks, same basis lb. .22 • —
p-Toluidine, flake, dms., frt. alld lb. .64 • —
solid, dms., frt. alld. lb. .60 • .61
Toluol, coaltar, indust. or nitration, tanks, works:—
Bethlehem, Pa. gal. .34 • —
Birmingham dist. gal. .32 • —
Chicago, dist. gal. .32 • —
Cleveland dist. gal. .32 • —
Geneva, Utah gal. .26 • —
Johnstown, Pa. gal. .32 • —
Lackawanna, N. Y. gal. .35 • —

Toluol, coaltar, indust. or nitration, tanks, works, Lone Star, Tex. gal. .33 • —
Lorain, Ohio gal. .32 • —
Middletown, Ohio gal. .33½- —
Minnequa, Colo. gal. .32 • —
Philadelphia dist. gal. .34 • —
Pittsburgh dist gal. .32 • —
Sparrows Point Md. gal. .34 • —
Terre Haute, Ind gal. .35 • —
Youngstown, Ohio gal. .32 • —
Toluol, coaltar, petroleum, indust., 2°, tanks, works:—Albany, N.Y. gal. .35 • —
Bayonne, N. J. gal. .34 • —
Baytown, Tex. gal. .33 • —
Chicago, Ill. gal. .35 • —
Detroit, Mich gal. .35 • —
Houston, Tex. gal. .33 • —
Philadelphia, Pa. gal. .34 • —
Providence R. I. gal. .35 • —
Wood River Ill. gal. .25 • —
2,4-Tolylenediamine, cryst., fib. dms., c.l., frt. alld lb. .97 • —
l.c.l., frt. alld lb. 1.00 • —
powd., fib. dms., same basis lb. 1.00 • —
Tonka beans, Angostura, cks lb. 1.65 • 1.80
Brazilian, Surinam, cs lb. 1.00 • 1.25
Totaquine, 100-oz. lots, cns oz. .42 • —
Toxaphene, dms., c.l., t.l., works. lb. .20 • —
l.c.l., l.t.l., works lb. .26 —
Triacetin, dms., c.l., dlvd. E. of Rockies lb. .39 • —
l.c.l., same basis lb. .40 • —
tanks, same basis lb. .37 • —

Tributyl citrate, tech., non-ref. dms., c.l., frt. alld. E. of Denver lb. .42 • —
l.c.l., frt. alld. E. of Denver, lb. .43 • —
tanks, frt. alld. E. of Denver, lb. .40 • —
Phosphate, dms., c.l., works lb. .52 • —
l.c.l., same basis lb. .53 • —
tanks, same basis lb. .50 • —
Tributylamine, dms., c.l., works. lb. .67 • —
l.c.l., same basis lb. .68 • —
tanks, same basis lb. .65 • —
Trichlorobenzene, dms., c.l., frt. alld. E. lb. .14½- —
l.c.l., frt. alld. E lb. .15½- —
tanks, frt. alld. E lb. .13 • —
Prices in the West 1¾c. higher.
Trichloroethylene, dms., c.l., or t.l., works, frt. equald. lb. .11¾- —
l.c.l., dlvd. E lb. .13¾- —
tanks, works, frt. equald lb. .10¾- —
1,1,1-Trichloroethane, dms., c.l., works. lb. .13½- —
l.c.l., works lb. .16¼- —
tanks, works lb. .12½- —
Tricholine citrate, 65% soln., ref. cbys., works, frt. adjusted. lb. 1.40 • 1.45
Tricresyl phosphate, coaltar, dms., c.l., dlvd. lb. .36½- —
l.c.l., dlvd lb. .37½- —
tanks, dlvd lb. .34½- —
petroleum, dms., c.l., dlvd. lb. .36½- —
l.c.l., dlvd. lb. .37½- —
tanks, dlvd. lb. .34½- —
Triethanolamine, dms., c.l., dlvd. E. lb. .24 • —
l.c.l., same basis lb. .25 • —
tanks, same basis lb. .22 • —
Triethylamine, dms., c.l., works, dlvd. E. lb. .47 • —
tanks, same basis lb. .45 • —

Triethyl citrate, refd., tech., non-ret. dms., c.l., frt. alld. E. of Denver lb. .45¾- —
l.c.l., frt. alld. E. of Denver, lb. .46¾- —
tanks, frt. alld. E. of Denver, lb. .43¾- —
Phosphate, dms., c.l., dlvd. lb. .40 • —
l.c.l., dlvd. lb. .41 • —
tanks, same basis lb. .38 • —
Triethylene glycol, dms., c.l., dlvd. E lb. .20½- —
l.c.l., same basis lb. .21½- —
tanks, same basis lb. .18½- —
Triethylenetetramine, dms., c.l., dlvd. E lb. .49 • —
l.c.l., dlvd. E lb. .50 • —
tanks, dlvd. E lb. .47 • —
Tri-isopropanolamine, dms., c.l., dlvd. E. lb. .22¾- —
l.c.l., dlvd. E lb. .23¾- —
tanks, dlvd. E lb. .20¾- —
Trimethylamine 25-40% soln., dms., c.l., works, frt. equald., 100% basis lb. .42 • —
l.c.l., works, frt. equald, 100% basis lb. .42½- —
tanks, works, frt. equald, 100% basis lb. .33 • —
Trioxane, pure, dms., c.l., t.l., dlvd. E lb. .50 • —
l.c.l., dms., dlvd. E lb. .51½- —
Tripentaerythritol, bgs., l.c.l., works. lb. .35 • —
Triphenyl phosphate, bbls., c.l., frt. equald lb. .40 • —
l.c.l., frt. equald lb. .41 • —
Triphenylguanidine, bbls., works lb. .90 • —
Tripropylene glycol, dms., c.l., frt. alld E lb. .20½- —
l.c.l., frt. alld. E lb. .21½- —
Prices 1c. per lb. higher in West.
Trisodium fluoroacetate (see Sodium fluoroacetate, tribasic).
Phosphate (see Sodium phosphate tribasic).
dl-Tryptophane, fib. ctns., works. kilo.165.00 • —
Tungsten metal powd., 98.8%, dms., dlvd lb. 4.50 • —
Turpentine, gum (see Protective Coatings market, Naval Stores).
Tyrothricin, USP, bots. gram. .75 • .85

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Urea, 46% N, indust., bgs., c.l., t.l., dlvd. E. ton.120.00 • —
l.c.l., dlvd. E, ex whse. ton.140.00 • —
45% N, agricultural, bgs., c.l., (30 tons), dlvd., E. ton.105.00 • —
Urea-ammonia liquor, A and B grades, N basis, tankcars, Belle, W. Va ton.126.00 • —
C grade, tankcars, same basis. ton.124.50 • —
37 grade tankcars, same basis. ton.153.00 • —
Urethane, USP, dms. lb. 1.50 • —
Uva-ursi leaves, bls. lb. .12 • .14

V

Valerian root, Belgian, bgs. lb. .32 • —
dl-Valine, dms., works lb.21.00 -27.50
Valonia beards, 40-42% tannin, bgs., ex dock ton.75.00 -76.00
cups, 28-30% tannin, bgs., ex-dock ton.56.00 -57.00
extract, powd., 63% tannin, bgs., ex-dock, duty extra lb. .08 • —
Vanadium pentoxide, tech., dms., works lp. 1.28 • 1.33
Vanilla beans, Bourbon, tins lb. 6.00 • 6.50
Mexican, cuts, tins lb. 6.75 • 7.00
whole, tins lb. 7.50 • 8.00
Tahiti, cs. lb. 6.00 Nom.
Vanillin, ex eugenol, tins, 25-lb. lots. lb. 6.50 • 6.75
smaller lots lb. 6.90 • 7.25
ex lignin, dms., 25-lb. lots lb. 3.00 • —
smaller lots lb. 3.05 • 3.15
Vinyl acetate monomer, 55-gal. dms., c.l., dlvd. E lb. .18½- —
l.c.l., dlvd. E lb. .19½- —
tankcars, dlvd. E. lb. .16½- —
tanktrucks, less than 4,000 gal., dlvd. E lb. .17½- —
n-Butyl ether, tech., dms., c.l., works lb. .28 • —
l.c.l., works lb. .30 • —
tanks, works lb. .27 • —
Chloride monomer, tanks, works lb. .11 • —
Ether, USP, anasthesia, bots., 50 c.c., hospitals, bot. 1.12 • —
75 c.c. bot. 1.56 • —
tech., dms., c.l., works lb. .26 • —
l.c.l., works lb. .28 • —
tanks, works lb. .25 • —
Isobutyl ether, tech., dms., c.l., works lb. .28 • —
l.c.l., works lb. .30 • —
tanks, works lb. .27 • —
Methyl ether, cyls., works lb. .23 • —
tanks, works lb. .20 • —
Cylinders are sold outright, or if shipped against deposit, a free period of 60 days is allowed; and if empties are returned prepaid and in good condition within that period, full refund is made.
Propionate monomer, dms., c.l., dlvd. lb. .49 • —
l.c.l., same basis lb. .50 • —
tanks, same basis lb. .47 • —
Trichloride (see Trichloroethane).
2-Vinylpyridine, 10 dms. to tanks, works lb. 1.40 • —
1 to 9 dms, works lb. 1.50 • —
tanks, works lb. 1.38 • —
Vinyltoluene, dms., c.l., frt. alld. lb. .18½- —
l.c.l., frt. alld lb. .19½- —
tasks, frt. ald lb. .16½- —
Viosterol, in alcohol, 1,000,000 D units per gram, bots., lots of 10 billion USP units, 1,000,000 units. .025 • —
lots of 1 billion USP units, 1,000,000 units. .03 • —
lots of less than 1 billion USP units, 1,000,000 units. .035 • —
in nat., vegetable oil, 400,000 to 1,000,000 D units per gram, bots., lots of 10 billion USP units 1,000,000 units. .02 • .04¾
lots of 1 billion USP units, 1,000,000 units. .025 • .05¼
lots of less than 1 billion USP units, 1,000,000 units. .03 • .05¾
Vitamin A acetate, syn., crystalline, beads, 500,000 A units per gram gram. .07¼- —
dry, 500,000 units per gram, kilo lots kilo.67.50 • —
325,000 units per gram, same basis kilo.43.88 • —
250,000 units per gram, same basis kilo.33.75 • —
Dry vitamin A acetate in less than kilo lots, $2.50 per kilo higher in all potencies.
liq., in oil, 1,000,000 A units per gram 1,000,000 units. .10 • —
Palmitate, liq., 1,000,000-1,800,000 A units per gram 1,000,000 units. .10 • —
in oil, 1,000,000 A units per gram 1,000,000 units. .10 • —

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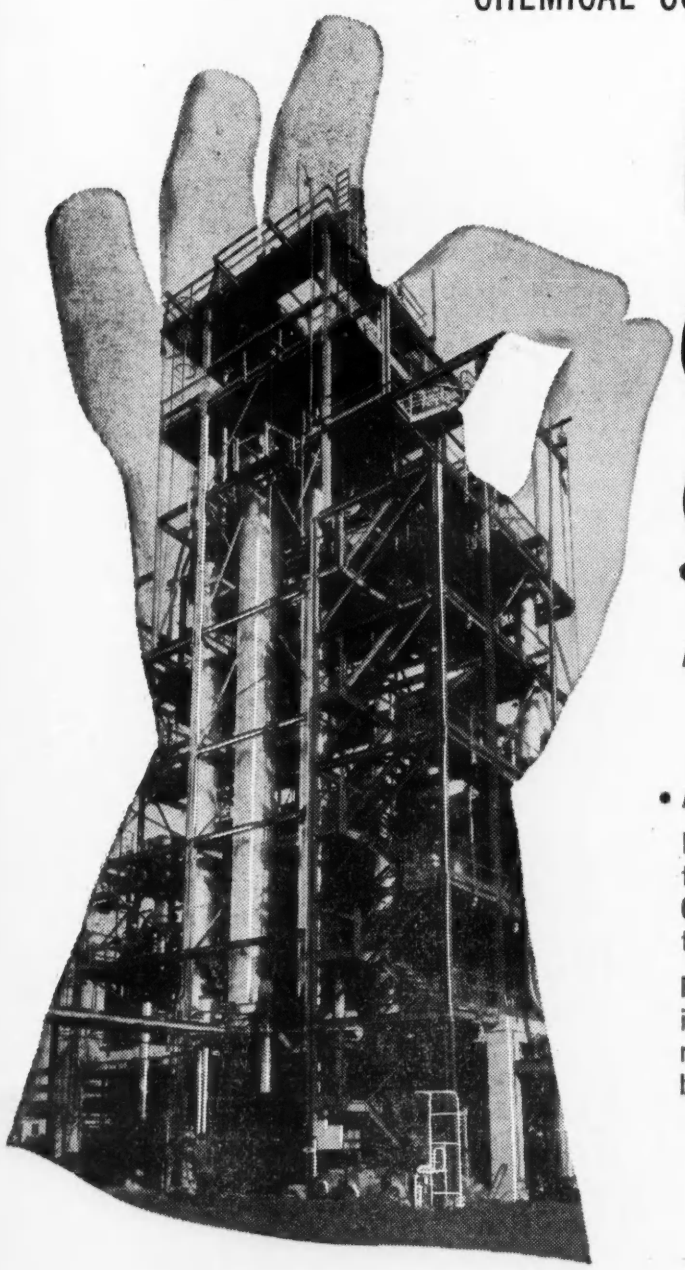

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Vitamin B_1 (see Thiamine hydrochloride).
B_2, (see Riboflavin).
B, complex, natural (see Rice bran concentrate and Yeast).
B_{12}, crystalline, 1-gram or 5-gram vials gram 245.00 - —
oral grade solids, in containers of 1 and 5 grams of B_{12} activity gram 185.00 - —
C (see Acid, ascorbic).
D (see Oils, codliver and fish-liver, Calciferol, and Viosterol).
D_2, dry, 850,000 units per gram, kilo lots kilo 42.50 - —
less than kilo lots kilo 45.00 - —
E (see a-Tocopherol and Oil, wheat germ.
G (see Riboflavin).
H (see Biotin)
K, Active (see Menadione).
K_1, 25 gram bots gram 4.50 - —
Violet methyl toner (see Blue methylviolet toner
V M.&P. naphtha (see Petroleum naphtha).

W

Wahoo root, bark, bls lb 2.25 - —
Warfarin, 0.5%, dms., 50-lb. lots, dlvd lb 1.95 - —
25-49-lb. lots, N. Y. or Chicago lb 2.05 - —
5-24-lb. lots, cns., N, Y. or Chicago lb 2.15 - —
Wattle bark, fair average, African, bales, ex dock ton 99.00 - —
merchantable, bales, ex dock ton 96.00 - —
extract, liq., 35% tannin, bbls lb .09¾- .1
solid, E. Africa, 60% tannin, bgs., ex dock, duty extra lb .09¾- —
S. Africa, 60% tannin, bgs., ex dock, duty extra lb .10 - —
Wax, amorph. (see Wax microcrystalline)
Bees, crude, African, bgs lb .68 - .70
Brazilian, bgs lb .70 Nom.
Central American, bgs lb .68 - .70
Chilean, bgs lb .70 Nom
refd., USP, bleached, white bricks, 100-lb. ctns lb .80 - .82
slabs, 100-lb. ctns lb .79 - .81
yellow bricks, 100-lb. ctns. lb .73 - .75
slabs, 100-lb. ctns lb .72 - .74
Candelilla, crude, bgs lb .53 - .55
refd. bgs lb .56 - .57
Powdered candellila, 20 mesh, 1c. per lb. higher. 80 mesh, 7c.; 100-200 mesh, 8c.
Carnauba, chalky, bgs., ton lots, lb .56 Nom.
North country No. 2, crude, bgs., ton lots lb .64 Nom.
refd., pure, bgs., ton lots lb .71 - .73
No. 3, Ceara, crude, bgs., ton lots lb .57 - .58
refd., pure, bgs., ton lots lb .65 - .66
tech., bgs., ton lots lb .61 - .62
Parnahyba, crude, bgs., ton lots lb .58 - .59
refd., pure, bgs., ton lots lb .67 - .68
yellow No. 1, Ceara, bgs., ton lots lb 1.08 - 1.10
Parnahyba, bgs., ton lots lb 1.10 - 1.12
Powdered carnauba wax price differentials same as powdered candelilla.
Japan, cs lb .47 - .48
Microcrystalline, 170-175°F., m.p. ASTM, penetration 15-20 ctns., 20,000 lbs., group 3, works, lb .14 - .15
smaller lots, same basis, lb .15 - .16
black, ctns., 20,000 lbs., same basis lb .12½- .13½
smaller lots, same basis, lb .13½- .14½
white, ctns., 20,000 lbs., same basis lb .25 - .26
smaller lots, group 3, works lb .26 - .27
180°-185°F. m.p., ASTM, penetration, 7-11; amber, ctns., 20,000-lb. lots, same basis, lb .17 - —
smaller lots, same basis, lb .18 - —
black, ctns., 20,000 lbs., same basis lb .15½- —
smaller lots, same basis, lb .16½- —
white, ctns., 20,000 lbs., same basis lb .28 - —
smaller lots, same basis, lb .29 - —
100°-195°F., m.p., ASTM, penetration 2-7, amber, ctns., 20,000 lbs., same basis lb .21 - —
smaller lots, same basis, lb .21½- —
black, ctns., 20,000 lbs., same basis lb .19 - —
smaller lots, same basis, lb .19½- —
white, ctns, 20,000 lbs., same basis lb .34½- —
smaller lots, same basis, lb .35½- —
Montan, dom., refd., bgs lb .27 Nom.
imp., crude, Bohemian, bgs lb No prices.
German, bgs lb No prices.
Ouricury, refd., pure, bgs lb .77 - .79
tech., bgs lb .74 - .76
Paraffin (see P).
Spermaceti, blocks, cs lb .30 - .33
cakes cs lb .31 - .34
Sugar cane, dom., refd., slabs, 80 lbs. ctns., works lb .65 - .75
spot lb .67¼- .72½
White lead (see Lead, White).
White pine bark, rossed, bls lb .18 - .19
White precipitate, USP, powd., dms., lb 6.55 - —
Whiting (see Calcium carbonate).
Wild cherry bark, thin, nat., bls. lb .18 - .19
rossed, bls lb .19 - .22
Witch hazel, bark, bls lb .16 - .17
leaves, bls lb .20 - —
Wollastonite, fine, bgs., c.l., works, ton 39.50 - —
l.c.l., ex whse ton 56.00 - —
medium, bgs., c.l., works ton 27.00 - —
l.c.l., ex whse ton 44.00 - —
Woolfat, crude (see Degras), USP (see Lanolin).
Wormseed, American, bgs lb .20 - .25
Levant, bgs lb 4.25 - 4.50

X

Xylene (see Xylol).
Xylenol, crysts., 58°-60°C., m.p., dms., l.c.l., works lb .40 - —
56°-58°C., dms., l.c.l., works, frt. equald lb .30 - —
45°-47°C., dms., c.l., same basis, lb .212 - —
l.c.l., same basis lb .215 - —
tanks, same basis lb .199 - —
fraction, b.r. 7°-9°C., dry above 227°C., dms., c.l., same basis, gal .96 - —
l.c.l., same basis gal .99 - —
tanks, same basis gal .85 - —
dry at or below 227°C., dms., c.l., same basis gal 1.11 - —
l.c.l., same basis gal 1.14 - —
tanks, same basis gal 1.00 - —
Xylidines, mixed, o-m-p, dms., c.l. or t.l., works lb .39 - —
l.c.l., same basis lb .40 - —
tanks, same basis lb .38 - —
Xylol, coaltar, indust., tanks, works:—
Bethlehem, Pa gal .34 - —
Birmingham dist gal .32 - —
Chicago dist gal .35 - —
Cleveland dist gal .34½- —
Geneva, Utah gal .27 - —
Johnstown, Pa gal .33 - —
Lackawanna N Y gal .35 - —
Lone Star, Tex gal .33 - —
Lorain, Ohio gal .33 - —
Middletown, Ohio gal .34 - —
Minnequa, Colo gal .34 - —
Philadelphia dist gal .34 - —
Pittsburgh dist gal .32 - —
Sparrows Point, Md gal .34 - —
Terre Haute Ind gal .35 - —
Youngstown, Ohio gal .32½- —
petroleum, indust., tanks, works:—
Bayonne, N. J gal .34 - —
Baytown, Tex gal .33 - —
Chicago, Ill gal .35 - —
Philadelphia, Pa gal .34 - —
Providence, R I gal .35 - —
Wood River, Ill gal .35 - —

Y

Yara yara, cns lb 2.15 - 2.65
Yeast, brewer's, dry, USP, 50 Int'l B units per gram, 100-lb. dms lb .47 - —
90 Int'l B units per gram, 100-lb dms lb .52 - —
260 Int'l B units per gram, 100-lb. dms lb .56 - —
300 Int'l B units per gram, 100-lb. dms. lb .60 - —
Yellow, barium chromate, CP, bbls., dlvd N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul lb .35 - —
Yellow barium chromate price differentials in other States and city zones are those for chrome yellow below.
Benzidine, AAA, bbls., dlvd lb 2.10 - —
AAOT bbls., dlvd lb 2.85 - —
Lightfast, bbls., dlvd lb 3.15 - —
Cadmium, CP, all shades, bbls., frt. alld. E. of Rockies, lb 2.85 - —
Cadmium selenide lithopone, all shades, bbls., frt. alld. E. of Rockies lb 1.15 - —
Cadmium yellows, Los Angeles and San Francisco, ex whse., 1c. per lb. higher.
Chrome, CP, bbls., dlvd. W. of Tenn., and N.C., E. of Miss., including Davenport, Minneapolis, Rock Island lb .33 - .33½
Dlvd. Ala., Fla., Ga., La. (Shreveport 1½ higher); Miss., N. C., S. C., Penna., Dallas, Tex. 1¼c. higher; Ft. Worth, Tex. 1½c. higher; El Paso Tex. 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha St. Joseph 1.6c. higher; dlvd. Pac. Coast, for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Hansa, 10 g, bbls., same basis as yellow, chrome lb 2.10 - —
G pigment, bbls lb 1.91 - —
Yellow, iron oxide, natural, French type, bgs., c.l., works lb .05¼- —
Peruvian type, bgs., l.c.l lb .0205- .035
pure, bgs., c.l., works lb .11½- —
l.c.l., works lb .11¾- —
Mercury oxide, bbls., 1,000-lb. lots lb 5.58 - —
smaller lots lb 5.60 - —
Ocher (see Yellow, iron oxide, natural).
Zinc (chromate), bbls., dlvd lb .27 - .27½
basic, dlvd lb .31 - —
Yerna santa leaves, bls lb .40 - .42
Yohimbine hydrochloride, bots, tin. oz 4.30 - 4.50

Z

Zein, bgs., 36,000-lb. lots or more lb .38 - —
1,000 to 36,000-lb lots, works lb .40 - —
smaller lots, works lb .43 - —
Zinc acetate, NF VIII, dms lb .53 - —
tech., dms., works lb .27 - —
Borate, bgs., c.l., dlvd. E lb .192 - —
l.c.l. dlvd E lb .202 - —
Chloride, NF, gran., dms lb .42 - —
precipitated, powd., dms lb .26 - —
soln., 50%, dms., c.l., works, 100 lbs. 5.50 - —
l.c.l., works 100 lbs. 6.10 - —
tanks, works 100 lbs. 4.85 - —

—Continued on page 53

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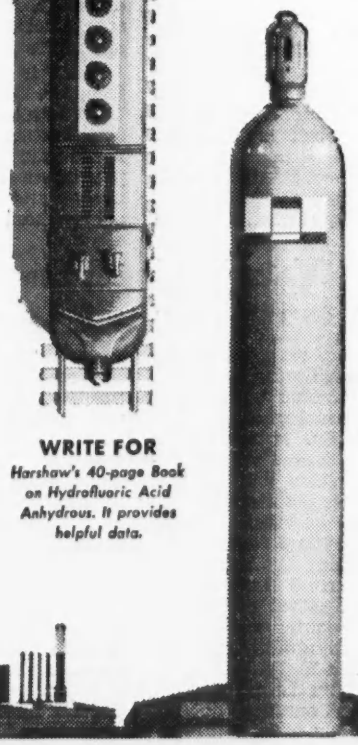
Antimony Trifluoride Sublimed
Barium Fluoride
Bismuth Fluoride
Boron Trifluoride
Boron Trifluoride Complexes
Chromium Fluoride
Copper Fluoborate
Fluoboric Acid
Fluorine Cells
Fluorinating Agents
Frosting Mixtures
Hydrofluoric Acid Anhydrous
Hydrofluoric Acid Aqueous
Hydrofluosilicic Acid
Lead Fluoborate
Metallic Fluoborates
Potassium Bifluoride
Potassium Chromium Fluoride
Potassium Fluoborate
Potassium Fluoride
Potassium Titanium Fluoride
Silico Fluorides
Sodium Fluoborate
Tin Fluoborate
Zinc Fluoborate
Zinc Fluoride



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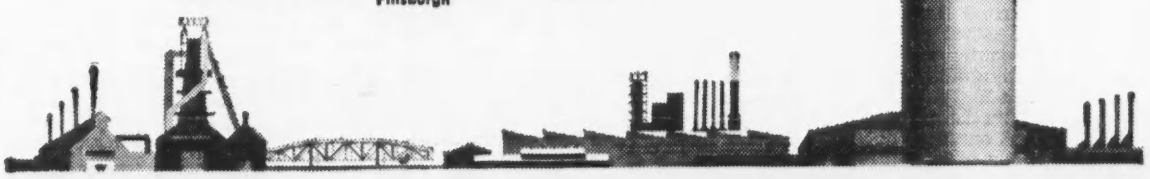

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Volume 169 **March 26, 1956** **Number 13**

Looking at Agriculture's Needs

Political farm "plans" having been pushed all over all sorts of areas of what passes for thinking in recent weeks, with results which are anybody's guess, it is somewhat encouraging to learn from the official announcement that "a stimulating flow of new research challenges will emerge from" the annual chemurgic conference to be held April 10 to 12. The encouragement is not what it might be if the program of the conference were slanted more in the direction of market development. It could be that some such slant will be presented in the talk of the chairman of the board on "The Agricultural Revolution: Who Will Win It?" As customary, the majority of the topics are far more agronomic than chemurgic, aimed at production rather than consumption objectives.

Those who believe that the farmer needs to be provided with pep—personal, not mechanical—not pampered with pap, that soil banks—or blanks—will do him far less good than would well planned diversification, better, not—and should be a business—an important segment of the national group, and should stand on its own feet and do its part to develop an adequate bigger, crops, and proper utilization of better recognition of what consumers want and how to provide it can look for some good to come out of the panel discussion on "Research Most Urgently Needed Now—What is Needed? Who Shall Do It? How Get It Done?" Everybody who realizes—as all businessmen should—how and why the farmer has been economically demoted by the political determining of what is needed, who should do it, and how over the past several decades should contribute what he thinks, in person or by communication, toward making that panel discussion come fairly well up to its potentiality in real service to the farmer—and the general public.

There is a possibility that a speaker from the "industrial field" will address the conference banquet. It is to be hoped that representatives from various areas of that field will talk at every opportunity they can find during the conference—and do their utmost to implant in the not too well adapted soil of farm think—due recognition of the fact that agriculture is an industry measure of cooperation with every other segment—supplier and consumer—in the important partnership of the national commercial economy.

For Government As a Business

Those who contend with all sorts of reasoning—or lack thereof—that business has no place in government are "spitting fire" at the latest proposal by Herbert Hoover that a "senior civil service" be established, which would provide the President with 2,000 openings for persons of character and ability in policy-making positions paying from $15,000 to $22,000 a year. The proposal is also being attacked as a "glorified version of the spoils system."

But, Mr. Hoover has a deal of justification for his claims that such an adaptation of the military system to civil services would result in substantial reductions in the costs of those services, as well as be promotive of better service. He knew what he was talking about when he said that "a good top executive at any salary can save ten times his salary," and that the present turnover rate in civil service personnel would "bankrupt any private enterprise twice a year."

Mr. Hoover's latest contribution to his conclusions from studies of means of improving governmental administrative functioning and reducing its cost might well be called a proposal that the big business of government be adequately staffed with assistant-vice-presidents. That assumes that the members of the President's cabinet are, in terms of business designation, vice-presidents for their respective duties. As such, it is in keeping with business practice that they be chosen by the board of directors (the Congress) which was elected by the stockholders (the taxpayers). Some are of the opinion that they should be elected directly by the stockholders, and that the present vice-president should be promoted to executive vice-president and be wholly an executive, the presiding officer of the senate being elected by that body from among its members.

There is very much to be done before the business of governing the United States is or can be provided with the business organization which it needs and deserves. It really would pay business to apply its efforts seriously and vigorously toward the achievement of that objective.

Water Problem Is Complex

Winter's tailend demonstration of old-fashionedness in the Northeastern region of the country presents a dire threat of an old-time Spring flood. So, there is a wide returning to thinking about the national problem of water as an asset and a liability. It is earnestly to be hoped, as it is seriously to be desired, that the thinking will lead in some way to positive, practical action.

Much information on the asset (resource) side contributory in that direction has been made available by a task force of the second Hoover commission, a special cabinet committee, and the St. Louis conference of two months ago, and in studies reported by Stanford Research Institute. Studies of floods and erosion have provided helpful information on the liability side. The need is for a fully capable and duly authorized extra-political agency to make proper use of that information—now. Proposals along that line are before congress; but they are not nearly broad enough to do more than attempt coordination of the diversified, scattered, confusing, even conflicting federal interests reaching all over power, transportation, irrigation, recreation, pollution, and nobody knows how many other aspects. A statutory start has been made at least on the St. Lawrence seaway and another look at the Passamaquoddy project.

This country needs a national water policy covering all the aspects of water's relations to man's needs. It needs a water program more than it needs a highway program, insofar as federal financial aid is concerned. Although much of the work needed to improve the water situation must be done locally, because water is no respecter of political boundaries, there is a large and important part therein for the federal government, at least in an advisory sense. That participation must go far in more directions than are pointed out in the excellent report of the Hoover commission task force.

Because of the expansiveness and complex topography of this country, the studies conducted in Great Britain on such things as a national grid for supplying water have but little value. But, the current investigations by an advisory committee there should provide much that is helpful. Some means can be found and effectively developed to attain a closer more beneficial balance between the flood conditions of one part of the year or one part of the country and the drought needs at another time or elsewhere. The development of systems of storage and distribution is not an easy task; neither is it an impossible one. Much more can be done along already proven lines of artificially recharging natural underground sources of supply and the extension of that practice through the use of manmade underground storage facilities. That would be an approach to a needed service which would not entail the termination of the usefulness of productive land—even though that might be advocated as a means of curtailing excessive farm production. The highly potential approach by way of the desalting of seawater has not yet been reduced to commercial practicability.

There is need for the doing of much with relation to erosion. Better practice in its prevention can be applied. Better means of collecting and returning the washoffs can be developed. Certainly better use can be made of silt deposits than apparently is the case with the reported wasteland conditions of much of the Mississippi delta.

"The greatest single weakness in the federal goverenment's activities in the field of water resource development," says the report of the cabinet committee, "is the lack of cooperation and coordination of the federal agencies with each other and with the state and local interests." Private interests should be included there. There is no sound reason behind the opinion of a former FPC chairman at the St. Louis conference that "the partnership policy means the abandonment of the whole concept of comprehensive multipurpose riverbasin programs . . . You cannot dilute the federal functions without sacrificing full use of water resources." Partnership need not mean dilution. In the proposed cooperation and coordination, it could most plainly be demonstrated that "in union there is strength."

Washington Talks It Over

Government Agencies Get Ready for Mobilization Tests By Extensive Reviewing of Current Defense Programs.

By Ralph L. Cherry

Chief, OPD Washington Bureau

Government agencies concerned with defense mobilization, including the chemical and rubber division of Business and Defense Services Administration, are making an extensive review of all DMO orders to determine what revisions, if any, are necessary. These orders relate to a wide variety of defense programs, including such matters as control of materials in event of a major disaster, programs for expansion of supplies, delegations of authority, etc.

The review is being made in the light of the past five years of preparing for the possibility of another world war and in contemplation of two important tests of plans and preparations to be held this year.

These include a test in April of plans for general mobilization not involving an attack on the continental United States, and "Operation Alert 1956," next summer, whose objectives will be to test our national readiness to cope with an attack on the United States.

"Operation Alert 1956" is to be a full-scale rehearsal of mobilization plans in which industry may be asked to participate, along with the government.

It will test the adequacy of plans for mobilization, allocation of resources, stabilization of wages and prices, and the readiness of the government to perform its essential functions at all levels. Top officials of the government agencies will move out of Washington to secret locations to carry out their work.

USDA to Study Nutrition

The importance of research in human nutrition as a guide to protection as well as consumption of farm products is to be given emphasis in the future research work of the Department of Agriculture. This is to be done on the advice of the department's agricultural research policy committee, a group of industry representatives set by a 1946 act of congress to advise the Secretary of Agriculture quarterly concerning the department's research and marketing activities.

Research in human nutrition is valuable in providing information on needed farm production, both in this country and elsewhere in the world. And it also opens up all kinds of questions relating to food production and processing, including the use of chemical additives, which might displace some valuable constituent in the food. Recent concern of the World Health Organization over food additives, it will be recalled, grew out of earlier nutrition studies of the Food and Agricultural Organization.

Agriculture's research policy committee says that the chronic imbalance in world agriculture—evidenced by food shortages or starvation diets in many areas, along with surpluses of food and fiber in some parts of the globe—is due in part to lack of knowledge and appreciation of proper human nutrition.

Bugs, Beware!

April 7 has been selected as World Health Day with this year's theme, "Destroy Disease Carrying Insects," focusing attention on the most daring task ever undertaken in the field of public health—eradication of malaria—and a relentless war against all insect-borne diseases.

Up until the beginning of the twentieth century, man accepted insects as an unavoidable curse and many people still think of them more as a nuisance than as one of man's deadliest enemies. In the past half century their role as disease carriers was firmly established and now with the development of residual insecticides such as DDT, public health authorities are thinking more in terms of eradication than control.

The Pan American Sanitary Organization has launched, here in the Americas, a continent-wide program to wipe out malaria, which is still one of the most widespread killers in many countries. Speed is of the essence, however, because many insects, including the malaria-spreading mosquito, are developing resistance to insecticides.

Farm Bill Ramifications

Unless congress can be prevailed upon to amend the pending farm bill, the financial benefits which the fertilizer industry might expect to flow from the program will not be near as great as otherwise.

What might be described as a "loophole" is the failure of the bill to contain any mandatory provisions that will require farmers to build up the soil fertility of the acreages that will go into the soil bank. Everybody expects that the land taken out of cultivation will be those acreages which are poor producers and lowest in fertility. But unless the farmers are compelled to fertilize the land so that it can support legumes and grasses, soil experts report that they will erode faster than if left in cultivation.

Aside from bringing about a reduction in farm production so that prices of farm crops can become more stabilized at profitable levels for the farmers, the soil bank idea is one of putting aside lands for crop cultivation in later years when they are needed. But unless the farmers are required to take steps to save this investment, the "soil bank" can readily become a "mud bank" in many instances.

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Heavy Chemicals

The snowstorm which blanketed the New York area and parts of New England early last week gave some shippers temporary headaches, but generally had no serious effect on the heavy chemicals business. Sales of calcium chloride to spot consumers were helped by the blizzard, as maintenance departments used large quantities for ice control on highways and streets.

The copper market fluctuated sharply last week, as a producer announced it would base prices on London metals exchange quotations, thus breaking through the price barrier of 46 cents pegged earlier. Copper sulfate was correspondingly higher.

The mineral acids continued to sell in large volume, with no particular tapering off noted. Steel output, which set another all-time weekly record two weeks ago, was a key factor in the firm market.

Soda ash and caustic soda production, as well as chlorine output, remained generally in close balance with demand. Local tight spots still existed for some types of caustic, and liquid chlorine.

Lithium chemicals continued subject to keen competition. One producer reported March sales 10 percent over February levels, and February 10 percent above January.

The American Paper and Pulp Association reported production for the week ended March 17 at 104.4 percent of theoretical capacity, as compared with the revised figure of 101.7 percent for the previous week and 97.6 percent for the corresponding week of last year.

Acid, Chromic — Business continued satisfactory, with no appreciable decline in sales which could possibly be attributed to cutbacks in auto output.

Acid, Hydrochloric—Buying interest for steel descaling and cleaning remained strong, as steel mills and fabricators kept up lofty production rates.

Chemical use also continued active. Supplies were in good balance in the northeast and midwest, but lengthy in the south and southwest owing to heavy output of byproduct acid.

Acid, Hydrofluoric — Stainless steel, fluorinated hydrocarbons for refrigerants and propellants, and glass industry demand kept the market strong. Prices were firm.

Acid, Hydrofluosilicic—Buying interest remained about steady. Chief interest in this acid continues to be for cleaning of brewery vats, it was said.

Acid, Nitric — Demand remained active all through the end use pattern. Steel, organic nitration, and government account kept supplies moving at a fast clip. Prices of long standing were without change.

Acid, Phosphoric — Inquiry for food, drug and chemical use was keeping production facilities operating at a fast pace. Prices were unchanged and steady.

Acid, Sulfuric—Activity continued strong all through the end use pattern. Steel and rayon activity, continuing at record-breaking levels, was responsible for large volume deliveries.

Steel production last week was estimated at 99.4 percent of capacity, or 2,446,000 tons, as against actual output of 2,477,000 tons, or 100.6 percent of capacity the previous week, according to the American Iron and Steel Institute.

The week of March 12 proved to be another all-time record weekly high in steel output. Actual production one year ago was 2,262,000 tons, or 93.7 percent of 1955 capacity.

February was the fifth consecutive month in which steel production was over 10 million tons, according to the institute.

The February total was 10,121,000 net tons of ingots and steel for castings, a record for the month. Steelmaking furnaces operated in February at an average of 99.2 percent of capacity.

Price Trends

Advanced

Copper carbonate, 2½c. per lb.
Sulfate, CP, 1c. per lb.
cryst., 99%, $1 per cwt.
monohydrated, $1.65 per cwt.
tribasic, $2 per cwt.

Reduced

Mercury, $4 per flk.

Potassium stannate, 0.4c. per lb.
Sodium stannate, 0.5c. per lb.
Stannic chloride, 0.5c. per lb.
Stannous chloride, anhyd., 0.6c. per lb.
hydrous, cryst., ¼c. per lb.
Sulfate, 0.6c. per lb.
Tin, 1¾c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Mar. 25, 1955
101.15	101.15	101.19	98.44

For Current Prices see Page 9

Aluminum Sulfate — Prices continued without change. Demand from paper and water treatment interests kept the market firm. Supplies were judged sufficient for immediate needs.

Calcium Chloride — Business was expected to slacken in the next few weeks, due to the seasonal period between cold weather de-icing and summer dust-laying on secondary roads.

A producer of powdered calcium chloride (77-80 percent) who had been offering material at $37.65 per ton in bags, carlots, f.o.b. works, freight equalized, reduced prices to meet the $35-per-ton price placed in effect October 1, 1955, by another producer.

Chlorine — Demand continued strong. Supplies were in better shape than previously, and producers were well able to take on new business.

Buying interest for chlorinated solvents and other organic chemicals kept the market strong. Textile, paper, and water treatment also called for heavy quantities.

Copper Sulfate—The turmoil in the copper market pushed prices sharply higher. CP sulfate rose to 23.6c. per pound, drums, works.

Crystal 99 percent jumped $1 per hundredweight, quoted at $16.70 per cwt., bags, carlots, works, freight equalized, and $17.20 to $19.70 per cwt., same basis.

Monohydrated 35 percent was up $1.65 per cwt., quoted at $27 per cwt., drums, carlots, works, and $27.75 per cwt., less carlots, same basis.

Tribasic jumped $2 per cwt., quoted at $35.85 per cwt., bags, carlots, works, and $37.35 per cwt., less carlots, same basis.

Copper carbonate climbed $2.50 per cwt. Carbonate 55 percent was quoted at $40.75 per cwt., bags, carlots, works, and $42.25 per cwt., less carlots, same basis.

Lithium Salts—One producer announced that it was currently offering lithium hydride at $10 per pound, drums, ton lots, f.o.b. works.

The same producer offered 500 pound lots at $10.50 per hundred pounds, same basis, and 100 pound lots at $11 per pound, same basis.

Producers were agreed that there was plenty of basic material around, owing to the coming in of new production facilities. These materials included lithium carbonate and lithium hydroxide monohydrate.

There was a difference of opinion on whether or not the market for carbonate and hydroxide was easy. Some reported that prices could be shaded in firm bids for large quantities.

Other lithium chemicals and lithium metal were reported in a relatively stable position at present, although producers kept a watchful eye on day-to-day developments.

Soda Ash—Demand continued on

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Heavy Chemicals

such a level that producers were able to sell about all they could make. Light and dense ash shipments continued to be in large volume.

Glass, aluminum, phosphate, paper, and chemical inquiry remained strong, in keeping with the general firm tone of business.

Soda, Caustic—Rayon, paper and chemical inquiry kept this market strong. Production was judged to be in good balance with inquiry.

Liquid rayon grades and some solid grades, formerly tight, appeared to be in a better supply position last week. However, there were still some local tight spots reported.

Tin Chemicals—With lower tin, potassium stannate was quoted at 70.5c. to 77.1c. per pound; sodium stannate, 57.5c. to 62.9c.; stannic chloride, 79c. to 80c.; stannous chloride, anhydrous, 91.5c. to $1.183; hydrous crystals, 80c. to 81c., and sulfate, 97c. to 99c.

Nonferrous Metals

Copper—The market position deteriorated last week, as one producer announced adherence to spot prices on the London metals exchange, thus boosting primary copper in this country to 53⅛c. per pound.

Other producers held at the pegged price of 46c. per pound, although it was conceded that most copper was being sold at higher prices.

Mercury—Metal was lower, priced at $258 to $260 per 76-pound flask, spot, as to quantity.

Tin—The tin market showed more stability last week, fluctuating narrowly. Straits tin was quoted at $1.00⅛ per pound, spot.

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Mines Bureau Reopens Oregon Zirconium Plant

At the request of the Atomic Energy Commission, the Bureau of Mines has begun restoring to operating condition the Government's zirconium production plant at Albany, Ore.

Restoration of the plant, which consists of four buildings at the bureau's northwest electrodevelopment laboratory, is to be completed within ninety days.

Annual capacity of the Albany plant is about 300,000 pounds of zirconium sponge metal and several thousand pounds of hafnuim metal. The bureau began producing zirconium experimentally at Albany in 1945, and three years later, was operating a small pilot plant capable of producing 60 pounds of sponge metal a week.

After private industry entered the zirconium field and began producing the metal in quantity, the bureau shut down the Albany plant last spring at the direction of the Atomic Energy Commission. At that time, AEC requested specifically that the bureau maintain the plant equipment so that production could be resumed on three months' notice.

Foote Completes Exchange

Foote Mineral Company has announced that the exchange of 169,178 of its shares for the assets and business of Electro Manganese Corporation has been completed. The operations of Electro Manganese in Knoxville, Tenn., are being handled as a division of Foote.

Davison Breaks Ground For New Research Lab

Davison Chemical Company, Baltimore, Md., a division of W. R. Grace & Co., has broken ground for a new research and development laboratory in Howard County, Md., midway between Baltimore and Washington, D. C.

The laboratory is expected to be completed this year. It will provide for 160 professional and supporting personnel, and will be three stories in height with 52,000 square feet of total area.

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Agricultural Chemicals

There was a good deal of speculation as to what effect a veto of the farm bill might have and the relationship between market legislation generally and the tone of this market. It was the consensus that it was already too late for legislation to influence the farmer's decision this season. The most tangible influence last week was snow in the east. It deferred ploughing and brought truck shipments to a standstill.

With announcement of an increase in prices of 18½ percent dibasic calcium phosphate effective April 1, the last of the major producers had decided to go up. The increase in this instance, however, will amount to only 30c. per unit, rather than the increase of 50c. per unit effected elsewhere. This trade was brisk, and some producers were sold up a week and more in advance of supply.

The big volume of meat production and low meat prices combined to break the Chicago prices for dried blood and tankage. Blood was off 25c. per unit-ton for the second time in two weeks. Tankage fell 50c. per unit-ton.

For some producers, DDT prices appeared shaky. They said production was too heavy. Some trade sources, however, pictured the market as satisfactory. One predicted a price increase.

BHC moved well. Trade in 2,4-D and 2,4,5-T, particularly in the isopropyl and butyl esters, was lively. Parathion, hampered by rigid controls in this country, was selling well in Mexico and elsewhere in the export trade.

Pesticides

BHC—Prices unchanged, were reported to be fairly stable. Supply was a bit short in some areas, however. Demand was fair. The balance of this market depended heavily on developments over the next several weeks with respect to the cotton crop.

2,4-D—Trade was good, particularly for the isopropyl and butyl esters. Increased interest was indicated in butoxyethoxypropyl ester on account of its high molecular weight.

DDT—Some major producers reported prices were shaky and that the market had been weakened by too much production. Others took a more cheerful view, at least one manufacturer predicting a price increase. For the present, however, prices were unchanged.

Buying in the east was said to have been running ahead of season, with sales usually transacted in March having been consummated in January and February. It was too early to tell how business would go in the southwest. A lot would depend on trade during the next several weeks in the cotton country.

2 - Methyl - 4 - chlorophenoxyacetic Acid — Growing interest was indicated.

Parathion—Tight controls restricted the domestic market, but the export market was providing considerable strength. Good quantities were being shipped into Mexico. Methyl-parathion, evidently due to its somewhat lower toxicity, was moving even better.

2,4,5-T—This was moving well, especially the isopropyl and butyl esters.

Animal and Plant Foods

Ammonium Sulfate—Trade was fairly good in direct application channels. It was a little slow in sales to mixers.

There was still no news with respect to the Pakistan tender, opened February 28 for about 40,000 metric tons of ammonium sulfate. However, developments were expected momentarily up to press time.

Animal Proteins—Production in big volume and low prices for meat weakened Chicago prices for dried blood and tankage. Blood declined 25c. per unit-ton. Tankage dropped 50c. per unit-ton. The Chicago blood price dropped 25c. per unit-ton only the week previous and had now declined 50c. per unit-ton in two weeks. New York prices held at previous quotations.

Fertilizer grade bonemeal moved to somewhat stronger demand. The feed grade was a bit softer.

The market for nitrogenous tankage continued poor.

Price Trends

Advanced
None

Reduced
Blood, dried, Chicago, 25c. per unit-ton.
Tankage, Chicago, 50c. per unit-ton.

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	Mar. 25, 1955
110.79	110.86	110.77	110.41

For Current Prices see Page 9

Calcium Phosphate, Dibasic—Heavy demand sustained a lively market. Producers reported orders were running a week and more ahead of availability. Wherever the higher prices were put into effect several weeks ago, they have become established on firm ground.

One producer, who had demurred when others increased the price of 18½ percent material, announced an increase. In this case, however, the raise will amount to only 30c. per unit, rather than 50c. per unit, the amount by which other firms hiked the price. The new listings, which will be effective April 1, were $79.55 per ton in carlots and $89.55 per ton in less carlots. Quotations elsewhere had already moved to $83.25 in carlots and $93.25 in less carlots. A bulk price was quoted in some quarters at $80.25 per ton.

Castor Pomace—Demand was fair. Sales were registered as fast as the material became available. Supply was limited.

Phosphate Rock—The following figures in short tons (2,000 pounds of 100 percent a.p.a.) indicate production, disposition and stocks of superphosphate, as reported by the Bureau of Census:—

	January	December
Normal		
Production	155.168	155.495
Shipments	79.899	78.166
Stocks at end	234.228	222.745
Enriched		
Production	2.147	2.571
Shipments	919	1.365
Stocks at end	2.762	2.656
Concentrated		
Production	79.379	72.707
Shipments	66.739	42.957
Stocks at end	159.451	150.233
Wet-Base Goods		
Production	662	840
Shipments	100	81
Stocks at end	3.212	2.726
Totals		
Production	254.696	231.613
Shipments	161.024	122.569
Stocks at end	420.496	378.360

Superphosphate—Both normal and triple were reported moving well last week.

Los Angeles Market

Buying interest for inorganic fertilizer materials has showed some increase, although demand was not as active as the trade had anticipated for this period. A record catch prior to close of the Canadian herring season resulted in a sharp decline in meal prices with a good volume of trading reported. Blood meal was more active with trading at $4 per unit of ammonia at source. Tankage was weak with this market difficult to peg. Castor pomace remained nominal at $42.50 per ton with no offerings available.

Ruling prices were:—

Ammonium phosphate—$74.85 per ton in bags, 16/20 grade, f.o.b. Los Angeles, Canadian material. $99.85 per ton, 11/48 grade, in bags, f.o.b. Los Angeles, Canadian material. $104.50 per ton, 11/50 grade, domestic, in bags, f.o.b. Los Angeles. $4 less per ton in bulk.

Fishmeals—$2.25 per unit of protein, domestic sacks included, f.o.b. San Pedro. $2.20 per unit, imported mixed meal, South American, sacked, ex-dock, Los Angeles harbor. $1.85 per unit of protein, Canadian herring meal, sacks included, f.o.b. Vancouver, U. S. funds.

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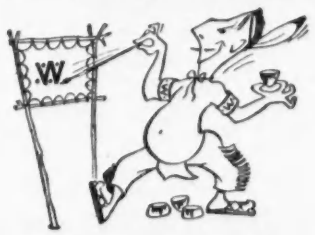

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Aliphatic Organics

A price reduction of ½c. per pound was announced last week in synthetic normal amyl alcohol. The price cut was in contrast to the scheduled hike in drum shipment prices of most lacquer solvents slated to become effective April 1, 1956. Tertiary amyl alcohol, as well as amyl acetate and amyl alcohol, ex pentane advanced ½c., on spot, effective March 15. Mixed dichloropentanes was reduced 1¼c. per pound in the first change in this compound in two years. Less than carlot drum quantities advanced ¼c. per pound on spot due to the recent adjustment of differentials resulting from the boost in freight rates. Fermentation lacquer solvents were also reduced late last week. Isoamyl alcohol was reduced 7c. per pound while standard amyl acetate and refined fusel oil were cut 4½c.

The market in crude glycerin continued in the doldrums, according to trade sources. Buying has dropped off appreciably and although spot prices have declined, there appeared to be little interest on the part of consumers to buy at the lower prices. It was said that consumers would probably continue to hold out as long as possible in the hope that the market would further decline. It was doubtful, however, that this would happen in view of the fact that Argentine sellers have had little difficulty in getting a good price from European buyers.

The steady rise in the standard of living in Europe has created a vast market for so-called luxury items with a concommitant increase in demand for glycerin and other chemicals used in soaps, cosmetics and related manufactures. The extent of inquiry for crude in this country hinges directly on the extent of consumption of the refined grades. To date, this has been high but the increased availability of synthetic glycerin taken some of the strain off the natural material. Another important factor in the current market was the fact that production of domestic crude has risen as a result of greater soap production.

The overall chemical market continued to exhibit a healthy tone. Inquiry remains good for most items and the industry itself is expressing optimism for the future by virtue of the fact that spending for new facilities is scheduled to be increased 40 percent over that in 1955. Supplies of most chemicals, while not excessive, continue adequate to meet most consumers' needs. Prices are stable, the increase slated for April 1, which will affect drum shipments only, being a result primarily of increased freight costs rather than higher costs of manufacture.

Acetic Acid—The Tariff Commission reported production of natural and synthetic acetic acid at 1,912,000 pounds and 45,858,976 pounds, respectively, in December of last year. This compared with an output of 1,956,000 and 45,306,662 pounds of natural and synthetic acid in the preceding month of November.

Movement of glacial acetic was said to be sustained at a good volume. Supplies of all grades were adequate to meet the demand and prices were unchanged.

Acetone — Demand for acetone continues at a brisk rate, according to trade sources queried. Supplies were adequate to accommodate industrial requirements. Prices are slated to be advanced 1c. per pound in tankcars, effective April 1. The scheduled advance was attributed to an overall increase in manufacturing, labor and freight costs.

The new schedule was as follows:—Tankcars, 8c. per pound, drum carlots, 10½c. and less than drum carlots, 11½c. per pound.

Alcohol—The snowstorms of the previous week-end disrupted shipments in the eastern part of the country last week but by the end of the week, the situation had returned to normal, for the most part. Demand continues good and supplies adequate to accommodate trade needs.

Price Trends

Advanced
None

Reduced
Alcohol, isoamyl, fermentation, 7c. per lb.
Amyl acetate, standard, ferm., 4½c. per lb.
Dichloropentanes, mixed, 1¼c. per lb.
Fusel oil, refined, 4½c. per lb.
1-Pentanol, ½c. per lb.

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	Mar. 25, 1955
130.96	130.98	131.02	130.44

For Current Prices see Page 9

Figures on production, withdrawals, and stocks released by the Alcohol and Tobacco Division of the Internal Revenue Service, pertaining the ethyl, completely denatured, and specially denatured alcohol during January, 1956, compared with January, 1955, were as follows:—

Production

	Gallons 1956	Gallons 1955
†Ethyl	40,447,279	35,304,417
*Completely denatured	91,734	45,422
*Specially denatured	20,286,315	18,816,151
Withdrawals		
†Ethyl, tax paid	782,727	702,576
tax free	39,078,486	35,367,283
*Completely denatured	80,410	51,195
†Specially denatured	21,667,864	19,294,938
Stocks		
†Ethyl	41,989,218	52,129,639
*Completely denatured	8,735	7,449
*Specially denatured	6,477,828	4,926,916

*Wine gallons. †Proof gallons.

According to the Alcohol and Tobacco Tax Division, materials used in industrial alcohol plants in January, 1956, and January, 1955, were as follows:—

	Pounds 1956	Pounds 1955
Corn and corn products	2,527,138	2,040,630
Rye and rye products	168,580	.....
Malt and malt products	200,137	273,590
Wheat and wheat products	2,376,400	.....
Sorghum grain and sorghum grain products	1,441,830	2,878,473
Total grain	6,714,085	5,192,693
Ethylene gas	6,583,978	11,497,127
Other materials	1,518	10
	Wine gallons 1956	Wine gallons 1955
Molasses	7,779,338	3,746,813
Ethyl sulfate	20,885,757	19,226,413
Sulfite liquors	23,493,500	22,844,200
Other materials	2,396,982	2,348,054
†Products used in redistillation	947,945	1,623,035

†Proof gallons.

Dichloropentanes—The price of dichloropentanes was recently reduced 1¼c. per pound in tankcars. The compound is used as a solvent extender with methylene chloride, a chemical used in paint removing preparations.

The new schedule was as follows:—tankcars, 3c. per pound; drum carlots, 5c. and less than drum carlot quantities at 6c. per pound.

Ethylene Glycol — Demand for ethylene glycol was reported excellent. Manufacturers of antifreeze preparations were in the midst of production for the coming winters needs and consumption of ethylene glycol in a number of other applications continues brisk.

Overall output of ethylene glycol will be boosted in 1957 following completion of a proposed plant, the construction of which was recently announced by a major producer of chemicals. The outlook for a continued rise in overall consumption was bright in view of the increasing production of ethylene-glycol-based antifreeze.

Ethylene Oxide—Demand for this chemical continues at a brisk rate

Aliphatic Organics

since it is a basic intermediate in the production of ethylene glycol.

Plans for the construction of a plant to make 60,000,000 pounds of ethylene glycol annually were recently announced by a major chemical producer. The oxide produced will go primarily into the manufacture of ethylene glycol of the antifreeze, industrial and fiber grades as well as diethylene glycol.

Glycerin—The glycerine market continued quiet last week. Quotations have declined to 17c. for crude soaplye and 19c. per pound for the saponification material. Inquiry for crude was reported spotty and quotations nominal, for the most part. South American exporters, however, were not greatly disturbed over the slack in demand from buyers here in view of the brisk demand for crude glycerine from European buyers, who reportedly were prepared to pay a good price.

Propylene Glycol—Demand for propyline glycol continued at a satisfactory rate last week. Supplies were reported to be ample to cover inquiry while prices were steady.

Trichloroethylene — Demand for trichloroethylene was reported to be good, on the whole, with supplies adequate to cover consumer requirements. Prices were steady and should hold through the second quarter.

The United States Tariff Commission reported production of trichloroethylene at 27,513,352 pounds in December last year compared to 25,192,393 pounds in November.

Phelps Dodge Purchases 95,000 N. J. Zinc Shares

Phelps Dodge Corporation, New York, has purchased as an investment 95,000 shares of New Jersey Zinc Company common stock from St. Joseph Lead Company for an undisclosed price.

St. Joseph Lead in turn has announced that the proceeds of its sale of 95,000 shares of the 195,000 shares it owns in New Jersey Zinc will be used in its recently announced zinc smelting expansion program at Josephtown, Pa. The remaining 100,000 shares will be retained by St. Joseph Lead.

Gibson-Homans Rebuilding After Cleveland Fire Loss

Gibson-Homans Company, Cleveland, Ohio, has set up manufacturing facilities in that city to handle orders, following destruction by fire of the company's coatings plant. Damage was estimated at $750,000.

The company announced that aside from the facilities in Cleveland, orders would also be filled from other plants at Richmond, Calif., Portland, Ore., Georgia and Matawan, N. J.

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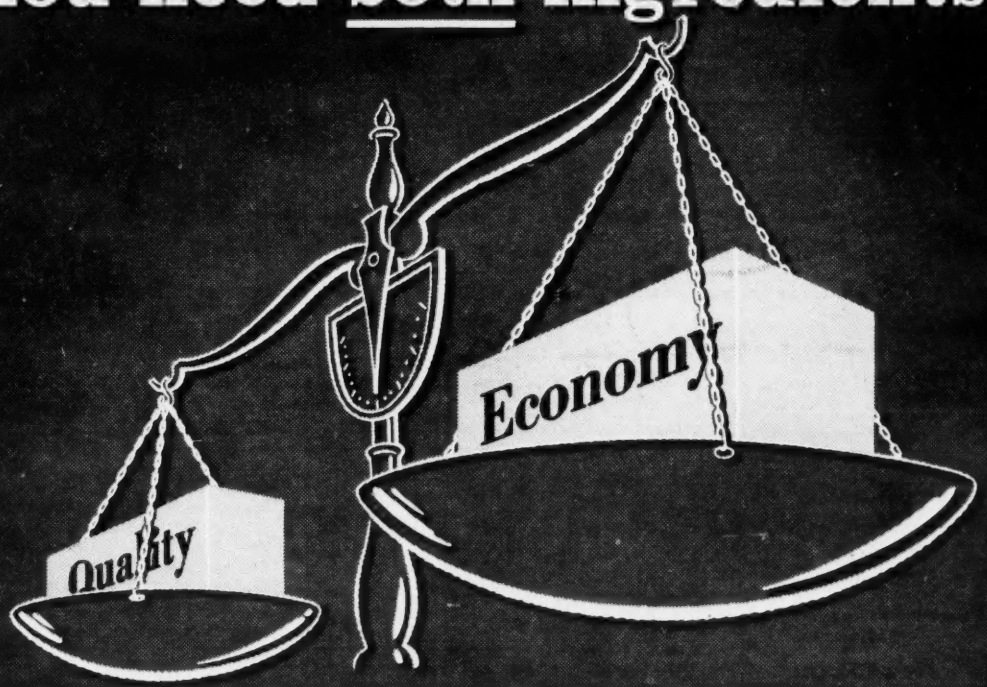

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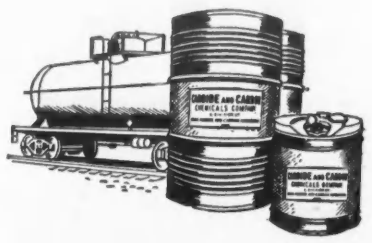

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Treasury to Charge $100 For Importation Checking

The Treasury Department plans to amend its customs regulations to charge a fee of $100 for checking importations against a registered patent and for furnishing the names and addresses of importers importing merchandise which appears to infringe such patent.

Under the tariff act of 1930, a registered owner of a patent who suspects that merchandise infringing on his patent is being imported may file a complaint charging unfair methods of competition. To assist in obtaining data upon which to base such a complaint the Bureau of Customs, upon request of the owner of a patent, has furnished the names and addresses of importers of merchandise believed to infringe his patent.

The department stated that considerable work and expense to the government is involved in compiling such information and is a type of service intended by congress to be self-sustaining to the fullest extent possible. Therefore, it proposes to impose a fee of $100 for checking importations over a period of sixty days. Interested persons were given thirty days to submit written comments on the proposal to the Commissioner of Customs.

Oils, Lard Purchase Aid To Be Given to Greece

The Department of Agriculture last week announced an agreement to finance the purchase by Greece of $6.1 million worth of cottonseed oil, soybean oil or lard from United States suppliers under public law 480. The amount includes cost of transportation but will permit the purchase of about 31 million pounds of the oils, the department said.

Sales contracts from March 28 through August 31, 1956, will be eligible for financing. Delivery will be to importers, c. and f., Greek ports, with shipment from United States ports between March 28 and September 30, 1956. Delivery, f.o.b. or f.a.s., vessels, United States ports, may also be made during this period.

SKF's Offer to Purchase British Company Accepted

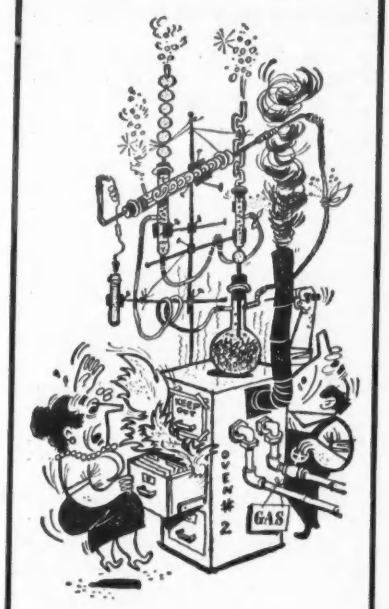
Smith, Kline & French Laboratories, Philadelphia, has had its offer to buy all the outstanding stock of A. J. White, Ltd., London, accepted by substantially all stockholders of the British company.

The sale price, involving nearly 800,000 shares of White stock, has been set somewhere in the neighborhood of $2.8 million.

Several subsidiary companies of White, including Menley and James, Ltd., London, formerly had served as exclusive distributors and manufacturing agents for SKF in various parts of the British Commonwealth. With the conclusion of the present transaction, the White firm will become a subsidiary of SKF.

Tariff Post Filled

Nomination of Edgar Brossard as a member of the Tariff Commission for another period of six years was confirmed last week by the senate. Mr. Brossard, currently chairman of the commission has been a member since 1925.



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Petroleum Derivatives

There was little variation in this market last week, dealers reported. The extreme weather shift early in the week gave a temporary reprieve to the LPG market. Seasonal sales for most of the solvents and both of the waxes gave a firm tone to the rest of the market. This, dealers noted, was in spite of the lag in the industrial sales picture. Agriculture materials are effectivly buoying the sales of xylol and benzol. Lacquer diluents and mineral spirits are moving effectively in both production and sales, on the crest of the construction industry sales (paint, etc.), while sales to insecticide manufacturers are reaching most source material producers. A factor noted in most markets is that the producer is no longer completely dependent upon seasonal sales for all of his strength. The trend appears to be toward year round sales strength, rather than high points during one or two quarters. This has primarily been facilitated through growth in all transportation mediums, thus allowing materials to reach various weather zones at all times of the year.

Total stocks of all oils showed very little change in 1955 but included a decline of 26.3 million barrels in the California district and a gain of the same amount in other areas. The heavy liquidation in California included a decline of 17.6 million in residual fuel that resulted in increased exports and shipments to the East Coast district. Stocks of refined products outside of California increased 16.1 million barrels in 1955, including gains of 5.7 million.

Solvents and Diluents

Benzol—The deflating automotive industry was beginning to make its situation felt in the source material markets last week, producers and dealers reported. Though the benzol market as a whole continues to hold a relatively good position, weakness that has been accumulating within the automotive industry, through a maladjusted production - demand scale, is beginning to manifest itself. The situation is somewhat being held in abeyance, for the source materials, at any rate, because of the current upswing in seasonal material sales. However, this can only hold until May, dealers report. Beyond that lies the full brunt of the automotive decline.

Cleaners Naphtha—Seasonal production was reported last week as moving along at a steady pace, dealers noted. However, they said, production will decidedly not reflect that of last year when synthetic clothing fibres kept the market from completely firming, throughout the seasonal months. The present situation, one dealer said, will be one of "prepared anticipation." However, he reported, with the trend toward synthetic fibre clothing growing rather than diminishing, one cannot really expect the seasonal market to grow in that direction."

Toluol—No change has been noted in this market, producers reported last week. Production continues to keep closely atuned to demand. Both are keyed in most respects, to the relative position of coaltar toluol.

Producers again noted the derivatives growth as a chemical raw material.

Xylol — Seasonal insecticide and agricultural material production was keeping this market particularly firm, it was reported last week. The automotive industry difficulties, however, have also, though to a lesser degree than in others, been felt in this market. Dealers reported, that by May, when the end of the strongest portions of the seasonal period will be reached, the industrial situation should make itself fully felt.

Price Trends

Advanced
None

Reduced
None

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	Mar. 25, 1955
104.53	104.53	104.32	104.42

For Current Prices see Page 9

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended March 10 totaled 255,993,000 barrels according to data reported to the Bureau of Mines. Compared with the total of 258,087,000 barrels for the preceding week this represents a decrease of 2,094,000 barrels comprising a decrease of 1,607,000 barrels in stocks of domestic crude and a decrease of 487,000 barrels in stocks of foreign crude.

Lighter Fractions

LPG's — Though sales figures failed to bear out reports, dealers intimated last week that the excessive late cold and snow drove the propane market to heights only realized during last December and early in this January. However, the Spring weather had already eaten deep into the returning cold by the end of the week.

Waxes

Microcrystalline — High seasonal demand continued to firm this market last week, dealers reported. Continued strong export figures, coupled with the growing summertime demand in this country, has kept microcrstalline sales at levels easily surpassing those of last year and the year previous. Production figures also are considered good, producers noted.

Paraffin—The wax container market continued to keep paraffin production and sales above the mark of previous seasons, it was reported last week. However, it was also noted that in the ratio of paraffin-microcrystalline, the use of paraffin was diminishing.

Miscellaneous

The daily average production of crude oil and lease condensate for the week ended March 9 was 7,162,250 barrels of which 127,450 barrels were lease condensate mixed with crude oil losing its identity as such. Reports from refining companies indicate that the industry as a whole ran to stills on a Bureau of Mines of approximately 7,982,000.

Crude oil production in Saudi Arabia during February amounted to 29,399,186 barrels, or an average of 1,013,765 barrels per calendar day, it has been reported by a major producer in the area. Crude processed at the producer's refinery during February amounted to 5,875,533 barrels, or an average of 202,605 barrels per calendar day. Crude oil production for the first two months of 1956 amounted to 60,406,580 barrels, an average of 1,006,776 barrels per calendar day. Crude run in the refinery for the same period was 12,825,110 barrels, an average of 213,752 barrels per calendar day.

Los Angeles Petroleum Market

Los Angeles.—Interest in lacquer diluents and light paint thinners continued at a good rate with increased seasonal demand. Listings were unchanged with supplies adequate at 20.7c. per gallon, [illegible] Los Angeles. Cleaning solvents witnessed little change although some slackening was noted and expected from the preceding month. Postings were considered firm at 19.7c. per gallon, 400 gallons or over, ex-tax, f.o.b. Los Angeles.

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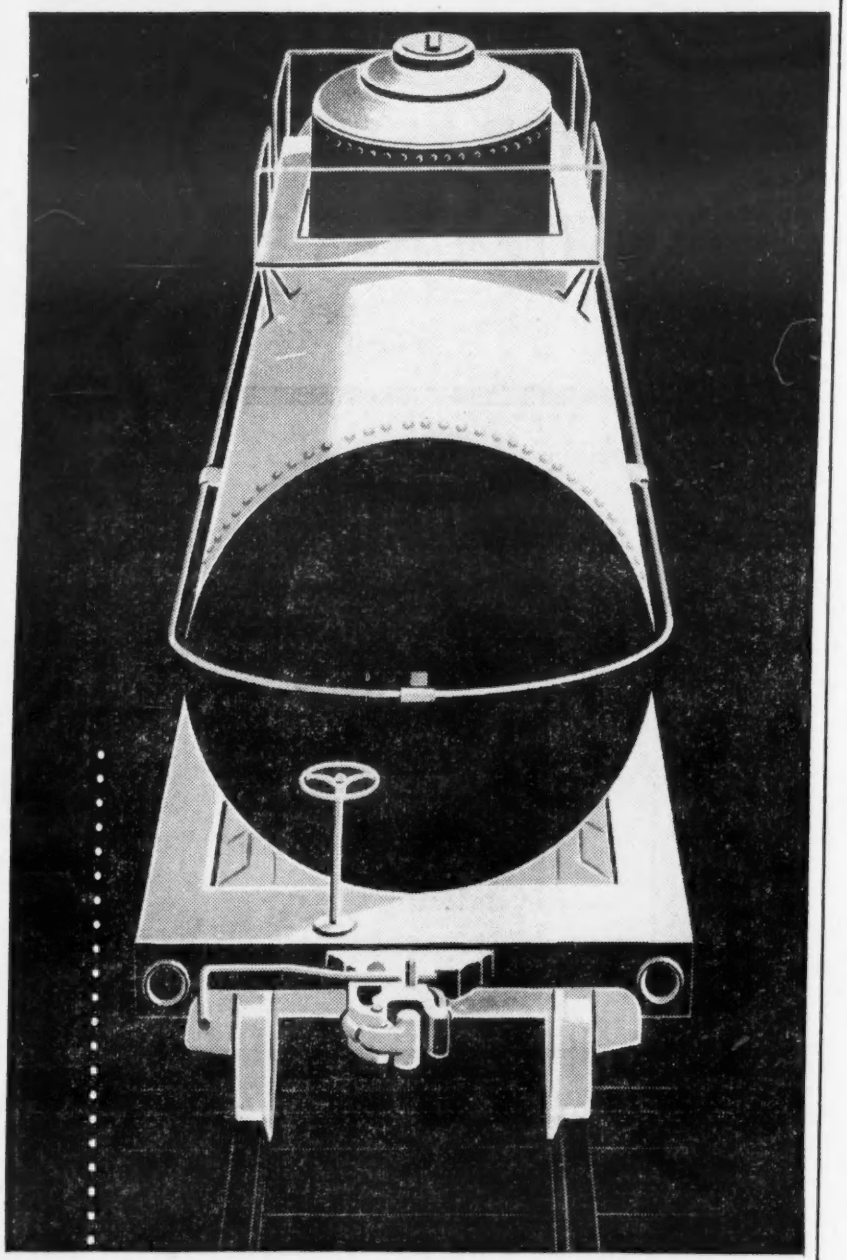

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Coal Chemicals

ADF cresylic acid was raised 10c. per gallon as the market continued very tight. There were some sales reported at the new price. Demand was even stronger for material distilling below ADF specifications. This was in short supply here and priced out of reach in the import market. Demand here for acid and cresols was very heavy, but domestic producers were not expected to change their prices further at this time.

Unwonted optimism appeared in the creosote market as the news spread that the railroads were beginning to replace ties. In some cases, the usual long delay before the creosote is ordered might be avoided. An increasing number of consumers, it was reported, were ordering material dehydrated by oil bath, a process that precludes the time-consuming process of air drying.

Trade conditions for the light oils were unchanged. Benzol was sold up. Toluol was easy. Xylol was very tight.

Phthalic anhydride was somewhat easier, but some trade sources thought the trend might be largely technical. Consumers had stocked up in fourth quarter 1955 in anticipation of a price increase adjusting to the increased price of naphthalene. Producers' stocks, according to this view, were now absorbing the surplus of consumers' stocks.

Steel production smashed another record. That for the week ended March 18 was put at 2,477,000 tons. The previous weekly record, established earlier this year, was 2,472,000 tons produced in the week ended January 29.

The American Iron and Steel Institute estimated steel production in the week ended March 25 would amount to 99.4 percent of theoretical capacity, equivalent to 2,446,000 tons of steel. This was compared to the record 2,477,000 tons turned out in the week previous, 2,433,000 tons produced in the comparable week a month earlier and 2,262,000 tons produced in the corresponding week a year ago.

Price Trends

Advanced
Cresylic Acid, imp., 10c. per gal.

Reduced
None

Comparative Price Indexes
(100—1949 average)

Last week	Prev. week	Last month	Mar. 25, 1955
115.02	**115.00**	**114.89**	**114.66**

For Current Prices see Page 9

Basic Products

Benzol—Production was maintained at a record high. Demand continued very strong. The market generally was in even balance. Prices, on firm ground, were unchanged.

Creosote—Some improvement was reported in the generally easy situation here.

After a long period of slack buying, the railroads here and abroad were shopping for ties. There is usually a lapse of several months between the time this demand is first shown and the time when orders for creosote are placed. It takes that long to dry out the white stock. However, an increasing number of railroads and other creosote consumers were reported to be ordering material conditioned by oil heating, a process that precludes the long waiting period required for air drying.

Some trade sources predicted that the reviving demand would sustain the market for a long time to come. Buying had been delayed for several months, due in part to increased costs of labor and materials.

Meantime, there was a considerable stock of creosote on hand. The market has been slow for months.

Cresols—Demand continued heavy for all fractions, and supplies were tight. The meta-para fractions were particularly short. Optimum production quotas were maintained. Prices remained unchanged and firm.

Cresylic Acid—The official price of ADF material from Britain was raised 10c. per gallon, to 95c. per gallon c.i.f. at East Coast ports. The import market was tight, but some sales were reported at the new price. Acid outside the ADF specifications (at least 75 percent distilling at 215° C or more) was in heavy demand but was offered only at prices that were out of reach here. Duty on these amounted to 1¾c. per pound plus 10 percent ad valorem.

The domestic market continued very strong. Supplies were quite tight. Domestic prices of nearly all grades from both coal and petroleum sources were raised in the first quarter of this year and were not expected to undergo further change at this time.

Naphthalene—Balance again characterized this market last week, as demand for phthalic anhydride eased somewhat.

One importer expressed belief there was more than enough domestic production. On the other hand, he said there was no inducement for European producers to reduce their price, because of attractive terms on which they could do business at home.

High-keyed steel production was giving premium yields of naphthalene.

Picolines — Trade continued in good volume. Demand for the gamma isomer, no longer so strong in the US because of the considerable progress made in treatment of tuberculosis, had grown much stronger in the export markets, for use in manufacture of isonicotinic acid hydrazine. Prices were unchanged.

Toluol—There was no change last week, except that inventories finished somewhat bigger. Producers were making the most of active markets, but production continued to run ahead of demand. Prices were unchanged and showed no sign of weakening.

Xylol—Supply was very tight. Production was keyed high, but demand was strong enough to move more xylol than was available. Prices were firm and unchanged.

Intermediates

Dithiodibenzoic Acid—The technical grade was offered last week on a works basis at $1.45 per pound on orders for 1,000 pounds or more. Prices were $1.55 per pound on lots of 200 to 999 pounds, $1.65 per pound for 100 to 199 pounds, $1.75 per pound for 50 pounds, $1.90 per pound for 25 pounds and $2.10 per pound for 5 pounds.

Phthalic Anhydride—The market was a bit easier. Supply was now generally ample, and producers' stocks had been built up to something like a normal level. It was considered likely, however, that consumers' stocks had declined as much as producers' stocks had grown. According to this view,

Coal Chemicals

Estimated output of coal chemicals recovered from cokeoven operations during the week ending March 25 was as follows:—

Ammonia liquor	lbs.	952,208
Ammonium sulfate	lbs.	40,545,634
Benzol	gals.	3,624,534
Coaltar	gals.	17,815,806
Creosote oil	gals.	691,119
Naphthalene, crude	lbs.	3,854,907
Pyridine, refined	lbs.	13,822
Toluol	gals.	798,626
Xylol	gals.	230,373

Coal Chemicals

sales volume at the consumer end was undiminished and the slower pace at the production end was an adjustment. This, in turn, was regarded as a compensation for inventory building in fourth quarter 1955 in anticipation of an increase in phthalic prices. Phthalic prices were not changed, but it would not have been unreasonable to have looked for an increase after naphthalene prices rose, so this line of argument runs.

Salicylic Acid—The market continued very strong. Trade was in substantial volume, and production was maintained at a pace sufficient to satisfy the demand. Prices were unchanged.

Thiosalicylic Acid—Purified acid was listed at $4 per pound last week on orders of 1,000 pounds or more on a works basis. The material was packaged in drums.

Per pound prices on smaller quantities were $4.25 for 200 to 999 pounds, $4.50 for 100 to 199 pounds, $4.75 for 50 pounds, $5 for 25 pounds and $5.50 for 5 pounds.

Technical grade acid was quoted at $3 per pound at the works on orders for 1,000 pounds or more. The range for smaller quantities was from $3.25 to $4.50 depending on size of order.

2-Vinylpyridine—Trade continued brisk. Demand was concentrated in the rubber industry, particularly that for use of vinylpyridine to bond rubber to nylon in manufacture of nylon tires. Prices, long unchanged, were considered to be on firm ground.

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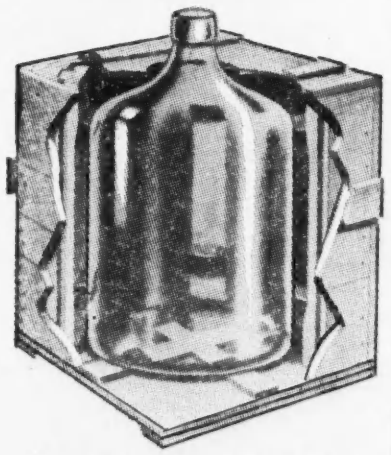

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DuPont Fills Four Posts In Electrochemicals Unit

Four new staff assignments have been made in the sales and research divisions of the electrochemicals department of E. I. duPont de Nemours & Co., Wilmington, Del.

Samuel C. Harris, former director of sales has been appointed to the new position of general assistant to the management of the department.

Richard B. K'Burg, previously an assistant director of sales, has been named director of sales, succeeding Mr. Harris.

Arthur I. Mendolia, a former assistant director of research in the department, has become an assistant director of sales, replacing Mr. K'Burg.

Dr. H. K. Livingston, who had been director of the organic chemicals department laboratory at the experimental station, has succeeded Mr. Mendolia as assistant director of research for the electrochemicals department.

Potash for Farms

—Continued from page 7

ments across state lines, consumption does not necessarily correspond to deliveries within a state, however.

Potash deliveries for chemical purposes in 1955 were 170,427 tons of muriate of potash containing an equivalent of 107,256 tons K_2O, and 13,558 tons of sulfate of potash containing 6,559 tons K_2O. The total chemical deliveries of 114,215 tons K_2O were 5 percent of all potash deliveries and 22,406 tons or 24 percent more than in 1954.

In the fourth quarter of 1955, deliveries totaled 1,034,430 tons of salts containing an equivalent of 600,029 tons K_2O, an increase of nearly 6 percent compared to K_2O deliveries during the same period in 1954. The continental United States received for agricultural purposes 505,779 tons K_2O, Canada 40,882 tons, Cuba 5,485 tons, Puerto Rico 4,167 tons, and Hawaii 3,731 tons. Exports to other countries were 10,451 tons K_2O.

Chemical deliveries during the fourth quarter amounted to 47,625 tons of salts with an equivalent of 29,534 tons K_2O, an increase of more than 10 percent over the same period in 1954. Of the 1955 total, muriate of potash equivalent to 27,298 tons K_2O and sulfate of potash containing 1,593 tons K_2O were delivered in the United States and 107 tons K_2O as muriate and 120 tons as sulfate of potash in Canada. Exports were 416 tons K_2O.

Imports From Europe

In addition to the regularly reported deliveries on the quarterly basis, information from governmental and other sources indicates that during the second half of 1955 there were additional imports of European potash into the United States, Canada, and Puerto Rico of 117,419 tons K_2O as muriate of potash and 11,132 tons K_2O as sulfate of potash. These figures are included in the deliveries for the fourth quarter.

The following table shows potash deliveries for the calendar years 1955 and 1954 in terms of short tons K_2O, for agricultural uses and for chemical purposes:—

	1955	1954
Agricultural		
United States—		
Muriate	1,759,097	1,703,481
Manure salts	1,226	1,313
Sulphate and sul. pot-mag.	115,115	130,016
Total	1,875,438	1,834,810
(Imports)*	(156,884)	(107,036)
Canada	88,60	76,265
(European imports)*	(41,228)	(33,141)
Cuba	10,687	5,113
(Imports)*	( )	(3,025)
Puerto Rico	21,773	21,017
(Imports)*	(5,397)	(7,186)
Hawaii	18,159	18,252
Total Institute Territories	2,014,657	1,955,457
Other exports	72,407	12,377
Total agricultural	2,087,064	1,967,834
(Imports)*	(203,509)	(150,388)
Chemical		
United States—		
Muriate 60%	105,675	85,047
Sul. pot.	6,488	5,438
Total U. S.	112,163	90,485
Canada—		
Muriate 60%	634	660
Sul. pot.	471	320
Hawaii—		
Muriate 60%	.....	.....
Sul. potash	.....	130
Total Institute Territories	113,268	91,595
Exports—		
Muriate 60%	947	214
Sul. potash	.....	.....
Total chemical	114,215	91,809
Grand total	2,201,279	2,059,643
(Imports)*	(203,509)	(150,388)

*Import figures given in parentheses are included in all totals.

Dominion Products Names Pond

Dominion Products, Inc., Long Island City, N. Y., has appointed Frank N. Pond sales manager. Mr. Pond was previously with Maltine Company, Fritzsche Brothers, Inc., and Dodge & Olcott, Inc.

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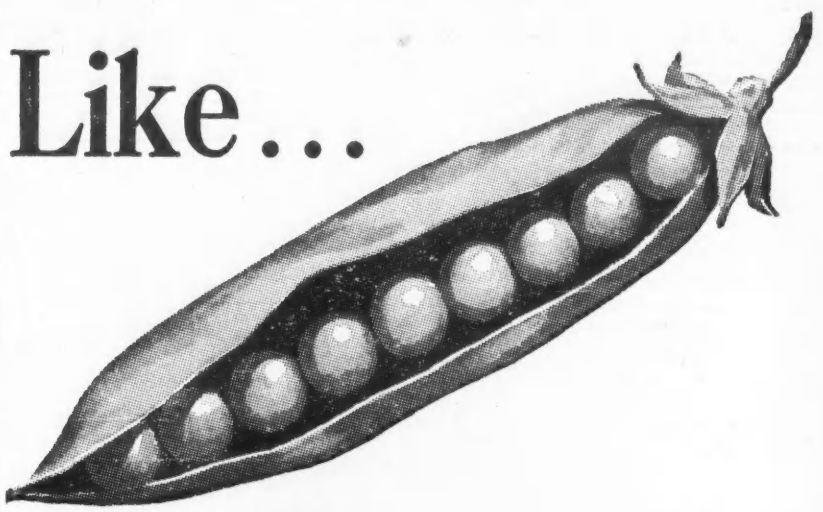

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French Polyethylene Plant Will Have Three Partners

Etablissement Kuhlmann and Compagnie Francaise de Raffinage will be partners with Societe des Usines Chimiques Rhone-Poulenc of France in construction and operation of a low pressure polyethylene plant near Gonfreville, in Normandie.

Rhone-Poulenc recently acquired a license from Phillips Petroleum Corporation, Bartlesville, Okla., for manufacture of polyethylene using the Phillips polyolefin process.

Compagnie Francaise de Raffinage (CFR) has refineries at Gonfreville, where the ethylene necessary for the manufacture of polyethylene will be produced.

Standard Oil Company (Indiana) Appoints Myers Production Mgr.

George V. Myers has been appointed general manager of production for Standard Oil Company (Indiana), John E. Swearingen, vice-president in charge of production, has announced. Mr. Myers has been financial vice-president and a director of Standard Oil & Gas Company at Tulsa, Okla.

Under the general supervision of Mr. Swearingen, Mr. Myers will coordinate production and crude oil supply activities of Standard Oil with operations of such principal subsidiaries as Stanolind Oil & Gas Company, Service Pipe Line Company, Stanolind Oil Purchasing Company, and Tuloma Gas Products Company.

Antibiotic Rules Amended

Food and Drug Administration last week amended its antibiotic regulations to provide for the testing and certification of tetracycline magnesium syrup. The amendment was effected upon publication in Federal Register March 21.

Linseed, Soybean Output

—Continued from page 7

above the record crop of 371,000,000 bushels produced in 1955.

The Crop Reporting Board notes that the government support-price for 1956 crop soybeans was announced well in advance of the time farmers reported their March intentions. However, the degree of farmers compliance with the provisions of the corn allotment program and the ability to plant other spring crops due to weather may affect the acreage planted to soybeans.

Peanut growers indicated they would plant 1,923,000 acres this year, including 1,513,000 acres for picking and threshing. This is 4 percent below the 2,004,000 acres grown in 1955, and 35 percent below the 1945-54 average. These intentions include peanuts to be grown for all purposes.

Applying the 1950-54 average yields to the 1,513,000 acres indicated for picking and threshing indicates a 1956 crop of 1,300,000 pounds. Last year's production is currently estimated at 1,600,000 pounds.

A 4 percent reduction of the potato acreage is also indicated this year. Growers reported intentions to plant 1,393,000 acres of potatoes, which is 25 percent less than the 10-year average. This acreage would yield about 361,000,000 bushels against 381,631,000 bushels in 1955.

TGA Will Study

—Continued from page 7

dent of John H. Breck, Inc., will direct the session on advertising. The session's principal aim will be helping the smaller advertiser.

The following papers will be presented at the scientific section meeting on the closing day:—

"The Chemistry of Lauric Acid—Diethanolamine Condensation Products," by Harry Kroll, Geigy Chemical Corporation.

"Axillary Per piration—Odors and Deodorization," by W. G. Fredell and R. R. Read, Lambert-Hudnut Division of Warner-Lambert Pharmaceutical Company.

"The Sphere of Research," by Paul G. Lauffer, George W. Luft Company.

"The Physicochemical Characterization of Essential Oil Constituents and Their Derivation by Modern Instrumentation Technics," by Leo Levi and James L. Thomson, Department of National Health and Welfare, Ottawa, Canada, and James C. Evans and Harold Bernstein, National Research Council, Ottawa.

"Problems in Dispensing Powders From Pressurized Containers," by Victor DiGiacomo, Givaudan-Delawanna, Inc.

"Shampoos—A Practical Method of Evaluation," by W. G. Fredell and R. R. Read, Lambert-Hudnut Division.

"Toxicity Studies on Monoethanolamine Thioglycolate Cold Waving Lotions," by Ross Whitman and Martin G. Brookins, Rayette, Inc.

"Azulene and Its Derivatives," by Dr. H. K. Thomas and Dr. H. G. Gribou, of Dragoco.

Acheson 100th Anniversary To Be Marked by Industry

This year marks the 100th anniversary of the birth of Edward Goodrich Acheson, world-famous scientist, inventor, and industrialist, best known for his electric furnace, silicon carbide (widely marketed under the trade name "Carborundum"), man-made graphite, and colloidal graphite.

The occasion will be celebrated here and abroad by a group of industries which owe their existence to Dr. Acheson's discoveries and inventions, as well as by various chemical, electrical, and electrochemical societies.

Dr. Acheson was the founder of Carborundum Company, Niagara Falls, N. Y., The Acheson Graphite Company (now a part of the National Carbon Division of Union Carbide and Carbon Corporation), Acheson Colloids Company, Port Huron, Mich., and Acheson Colloids, Ltd., London, England.

Colo. Fuel & Gas Unit Set to Buy Uranium Firm

An agreement has been signed providing for the sale of the assets of Midwest Consolidated Uranium Corporation to Cog Minerals Corporation, Denver, Colo., organized subsidiary of Colorado Oil & Gas Corporation.

The transaction is subject to approval of the stockholders of Midwest Consolidated, and a special meeting for that purpose has been called for April 23.

Under the agreement, Cog Minerals will purchase all assets of Midwest Consolidated for a cash consideration and 310.000 shares of Cog Minerals' common stock, a number equal to those presently held by Colorado Oil & Gas.

Organic Coatings Meeting Slated for New Hampshire

The American Association for the Advancement of Science will hold its twenty-fifth annual Gordon Research Conference at New Hampton School, New Hampton, N.H., July 16 through 20.

Among the subjects proposed for discussion this year are application of statistical methods to paint research, latest thinking on adhesion of coatings, and recent advances in cellulose derivatives, alkyd-amine systems, pentaerythritol resins and silicones.

BDSA Sponsors Parley

Reinforced plastics packaging and materials handling applications will be discussed at a technical conference sponsored by Business and Defense Services Administration at the Department of Commerce Auditorium, Washington, D. C., March 27.

Rohm & Haas

—Continued from page 3

resins and plasticizers, intermediates and new facilities for research laboratories.

In 1955 Rohm & Haas spent approximately $13.5 million on domestic and foreign construction projects. Completion of a plant for the manufacture of acrylic chemicals at Houston was the largest single project in this total.

Additional expansion of manufacturing units for fungicides, molding powders, plasticizers accounted for sizable amounts of the balance of the expenditures last year.

Rohm & Haas also reported that the small manufacturing plant being put up by its Brazilian subsidiary, Filibra Produtos Quimicos Limitada, is well on its way to completion and should be ready to go on stream in the late spring.

SAACI Lines Up Five Golf Outings This Season

Salesmen's Association of the American Chemical Industry has lined up a schedule of five golf outings for the 1956 season. The association's golf calendar is as follows:—

May 17, Huntington Crescent Club, Huntington, N. Y.; June 19, Bonnie Briar Country Club, Larchmont, N. Y.; July 19, Knickerbocker Country Club, Tenafly, N. J.; August 16, Tamarack Country Club, Greenwich, Conn., and September 11, Hackensack Country Club, Oradell, N. J.

The Connecticut outing in August will combine a day of golf with an outdoor clambake.

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See "THE UNITED STATES STEEL HOUR"—Televised alternate weeks—consult your newspaper for time and station.

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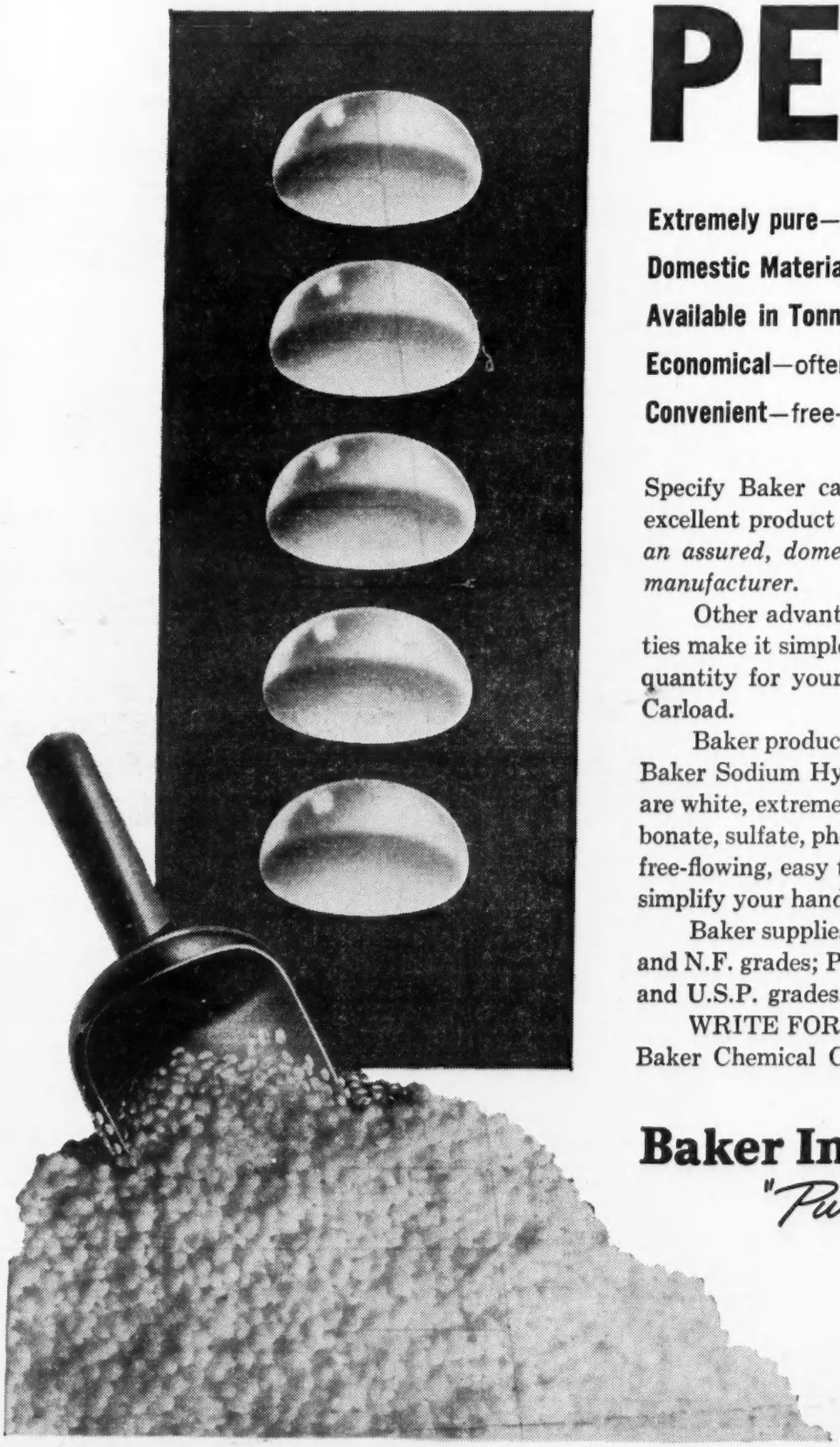

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The heavy snow storms which fell upon most of the eastern part of the country recently, curtailed and delayed the movement of chemicals and drugs last week to a notable degree. Production was cut since most businesses were shut down on Monday and schedules were stepped up in some plants to make up for the time lost. Brazilian menthol prices continued to slip and a decline of 10c. per pound was noted.

Despite a continued lack of real interest on the part of consumers, recent developments in the menthol market were considered encouraging. Producers of synthetic menthol have been forced to reflect higher raw material costs with the result that natural menthol prices have become more competitive with synthetic. The trend in Brazilian menthol has been downward and it appears that it will continue. Quotations on May-June delivery were said to be about 25c. under current spot levels.

The continued high price of synthetic menthol raw materials should give the price advantage to natural menthol in view of the current price trend, some observers felt. Buying remains hand-to-mouth, however, and consumers were not expected to begin buying for next winter's needs until prices hit bottom.

The antibiotics picture continues fair. Competition among producers has driven prices to very low levels. Profit margins have been squeezed to virtual non-existence, in the opinion of some trade sources. Supplies were more than adequate and production capacities were reckoned to be ample to meet any reasonable increases in inquiry if such should arise. Vitamins were quiet. The flurry of price activity in these compounds last month brought prices to the lowest level in their history. Imports of vitamins continue but not at their former rate. The coming quarter was expected to prove to be on a par with the first quarter this year, it was said, although there will be the usual seasonal shift in emphasis with warm weather chemicals in heavier demand.

Atropine — Demand for atropine alkaloid continues poor while that for the sulfate was reported fair. Supplies of both materials were adequate to cover consumers' requirements and prices were unchanged.

Caffeine — Demand for caffeine was reported to be running at a brisk rate. Although there has been some seasonal letup in demand from manufacturers of cold remedies, an increase in inquiry from soft drink bottlers was expected to take up any slack from that direction. Supplies were said to be adequate to meet current demand and prices were firm.

Carotene—The price schedule for carotene was substantially reduced recently, according to a report from the manufacturer. Carotene of a potency of 1,350,000 A units per gram was reduced 8½c. per gram in 5 to 10 kilo lots while the microcrystalline in oil grade with a potency of 400,000 A units per gram, was reduced 5c. per gram. The reduction marks the third price cut in less than a year and follows closely upon the heels of a price slash in beta carotene at the end of February. The new price on the 1,350,000 unit grade was 29½c. per gram while the 400,000 units per gram potency was reduced to 21c. per gram.

Beta carotene, which is made synthetically, has been cutting more deeply into outlets which were formerly confined to natural carotene it was noted. Competition between the two materials has been intensified in the bid for the margarine producers' business. Both the natural and the synthetic materials offer the advantages of vitamin A fortification and yellow coloring, it was said. Consumption of carotene in margarine manufacture was currently the largest consuming source of these compounds.

Price Trends

Advanced
None

Reduced
Menthol, Brazilian, 10c. per lb.

Comparative Price Indexes
(100—1949 average)

Last week	Prev. week	Last month	Mar. 25, 1955
65.84	65.84	66.12	67.34

For Current Prices see Page 9

Choline Salts — The market was unchanged since last reported. Demand continues at a routine rate while supplies are ample to cover current trade needs. Prices were unchanged.

Gelatin—Demand for edible gelatin was reported to be running at a steady rate. Consumption of gelatin by manufacturers of gelatin desserts and in other items such as ice cream was expected to seasonally increase as the warm weather approaches. Supplies of gelatin were adequate to meet consumer requirements and expected to continue in the immediate future. Prices were unchanged since last reported.

Production of gelatin totaled 4,596,850 pounds in January according to the Bureau of the Census compared to 4,591,058 pounds in December last year and 4,424,013 pounds in January, 1955.

Classified by type, production of edible gelatin aggregated 3,258,483 pounds in January, 1956, compared to 3,226,176 pounds in December, 1955 and 3,062,661 pounds in January of last year. Production of technical grade gelatin amounted to 204,643 pounds in January compared to 151,147 pounds in December and 282,655 pounds in January, 1955. Production of pharmaceutical gelatin totaled 421,536 pounds in January compared to 389,437 pounds in December and 213,453 pounds in January last year. Overall output of photographic grade gelatin in January was 712,188 pounds compared to 824,298 pounds in December and 865,244 pounds in January, 1955.

Menthol—Brazilian menthol continued in the doldrums last week with current quotations in the neighborhood of $6.30-$6.40 per pound. The overall competitive situation between the natural and the synthetic material was expected to improve in favor of the former in view of the high raw material costs to the makers of synthetic menthol.

Quotations on Brazilian menthol futures, however, were lower than the spot market and it was reported that May-June delivery material was being quoted as low as $6.10 in quantity. The outlook for natural menthol should improve, some observers noted, whenever prices hit their nadir and the current downward trend is reversed. Most buying, at present, was hand-to-mouth.

Phenacetin—Demand for this drug ingredient was said to be running at a satisfactory level. Supplies were ample to meet trade requirements and expected to continue in the immediate future. Prices were unchanged.

Tannic Acid—Inquiry continues at a good rate with prices holding at firm levels. The shortage of raw material remains a problem of crucial importance to consumers and manufacturers of tannic acid alike. The major source of nutgalls is currently in the Middle East. The deteriorating situation there be-

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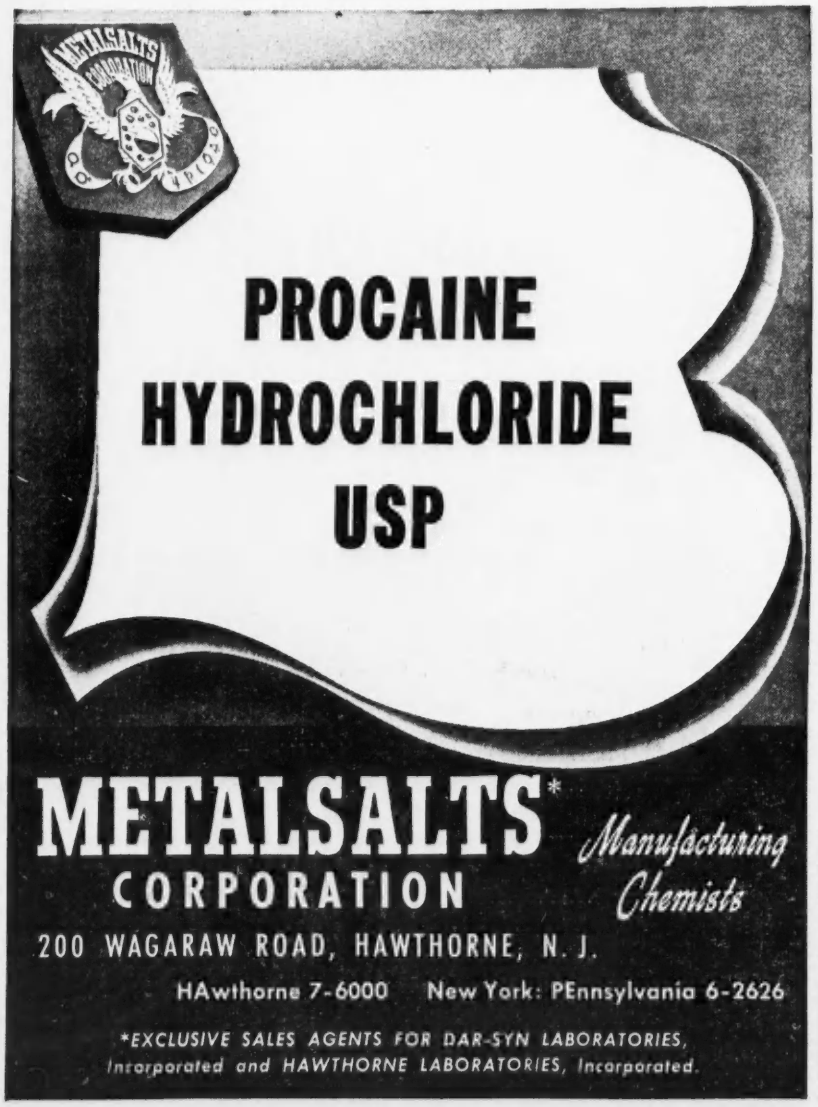

Drugs

tween the Israelis and their Arab neighbors could erupt into open war, it was feared, cutting off the flow of nutgalls from that area.

Botanicals

Trading activity wass curtailed somewhat last week as a result of the virtual paralysis of commerce following the snow storms which hit this area during the preceding week-end. With Spring officially under way, botanicals dealers and consumers were in the midst of anticipating future requirements. The outlook for the coming crop of domestic botanicals was an optimistic one although pricewise, it was expected that the market would be higher, on an overall basis, than in previous years as a consequence of the establishment of a higher minimum wage this month. It has been estimated that the greatest number of workers who stand to benefit from the increase are in the southern areas. As a result, it should not be as necessary for marginal laborers to turn to botanicals collection as a means of income supplementation.

Imports of botanicals appear to be generally ample to meet trade needs with the exception of one or two items. Buchu leaves were perhaps the most outstanding example of a tightness in supply.

Ipecac Root—Prices in the spot market continue soft, reflecting the poor quality of inquiry. European buyers were reported to be taking substantial quantities of the root in the primary market with the result that prices have not slumped to any great extent in this country. Supplies were adequate to meet trade requirements and expected to continue.

Aldrin Tolerance Set, Bid Filed for Malathion

Residue tolerances for the chemical pesticide aldrin were established last week by the Food and Drug Administration under the Miller pesticide law. The tolerances vary from zero in the case of certain forage crops to 0.75 part per million on straw.

The agency also announced that American Cyanamid Company, New York, has filed a petition proposing a tolerance of eight parts per million for residues of malathion in or on certain citrus fruits.

APMA's Annual Meeting To Hear Folsom, Gwynne

Two top government officials will address the opening session of the forty-ninth annual convention of the American Pharmaceutical Manufacturers' Association, to be held April 9 through 11 at Boca Raton, Fla.

Industry executives will hear Marion B. Folsom, Secretary of Health, Education and Welfare, speak on the opening day, along with John W. Gwynne, chairman of the Federal Trade Commission.

Blair Laboratories Offices Move to Short Hills, N. J.

Blair Laboratories, Inc., has moved its executive offices from New York to Short Hills, N. J. The company's newly completed building is located at 87 Woodland Road, Short Hills.

Blair will conduct administrative and marketing activities only in the new building. Research and manufacturing facilities are located in Yonkers, N. Y.

Pharmacy Unit Slates Show

The Pharmaceutical Council of Greater New York has scheduled its ninth annual drug, cosmetic and sundry show to be held September 23 through 25, at the Statler hotel, New York.

Gen'l Biochemicals Booklet Offered

General Biochemicals, Inc., Chagrin Falls, Ohio, has issued a catalog listing amino acids, peptides, carbohydrates, adenylates, nucleates, purines, pyrimidines, enzymes, hormones and other items which the firm has available.

NAPA 1956 Convention To Be Held in Cleveland

National Association of Purchasing Agents will hold its forty-first annual convention May 20 through 23 at the Public Auditorium in Cleveland, Ohio. Chairman of the convention is Glenn N. Hackett, director of purchases for Thompson Products, Inc., Cleveland.

Co-chairman is Arnold O. Anderson, of Aluminum Company of America, Pittsburgh, Pa., and program chairman is William T. Odams, manager of purchases and raw materials for Republic Steel Corporation, Cleveland.

Petroleum Probe Bill Is Introduced in Senate

Sen. Hubert Humphrey of Minnesota, chairman of the subcommittee on fair trade practices of the senate small business committee, introduced a resolution in the senate last week authorizing the Federal Trade Commission to investigate all phases of the petroleum industry.

He explained that the scope of the investigation has been made very broad intentionally so that the commission can freely examine every relevant activity of the industry. Accordingly, he added, the commission is expected to explore thoroughly those industry marketing practices having anticompetitive effects or which would otherwise violate federal antitrust law.

The resolution authorizes an appropriation of $600,000 to cover the cost of the inquiry. In a letter to Sen. Humphrey recently, John W. Gwynne, chairman of the FTC, stated that an investigation such as that proposed by Mr. Humphrey would cost $900,000 to complete.

Soybean Groups to Meet At Illinois U. In August

The combined annual meetings of the American Soybean Association and the National Soybean Processors Association will be held on the University of Illinois campus at Urbana, Ill., Aug. 13-15.

The university and the US Regional Soybeans Laboratory, also at Urbana, will be joint hosts. All sessions will be in the Illini Union. Included will be observance of the 25th anniversary of the founding of the U. S. Regional Soybean Laboratory.

The annual business meeting of the Processor Association will take place on Monday, Aug. 13, to be followed by the 36th annual convention of the American Soybean Association on the following two days.

Antibiotics Symposium Slated

The fourth annual Symposium on Antibiotics, sponsored by Food and Drug Administration, and the division of antibiotics of Department of Health, Education and Welfare, with the journals *Antibiotics and Chemotherapy* and *Antibiotic Medicine & Clinical Chemotherapy* will be held at the Willard hotel, Washington, D.C., October 17 through 19.

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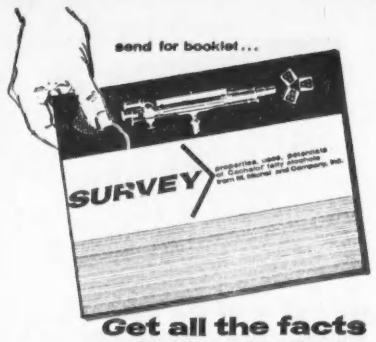

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3-AMINO 1.2.4, TRIAZOLE—252 dms, American Chemical Paint Co, Rotterdam
AMMONIUM CHLORIDE—200 bgs, Chemical Manufacturing Co, Liverpool
AMYRIS OIL—4 dms, Port au Prince
ANILINE DYES—79 dms, Hensel Bruckmann & Lorbacher, Hamburg
19 dms, C A Haynes, Hamburg
7 dms, Ciba Co, Rotterdam
26 dms, Carbic Color & Chemical Co, Rotterdam
14 dms, Heemsoth Kerner, Liverpool
7 dms, Rotterdam
ARABIC GUM—600 bgs, Orbis Products Corp, Port Sudan
300 bgs, Colony Import & Export Corp, Port Sudan
300 bgs, Hathaway Allied Products, Port Sudan
250 bgs, Thurston & Braidich, Port Sudan
200 bgs, Tragacanth Importing Corp, Port Sudan
500 bgs, Brown Bros, Port Sudan
204 bgs, Irving Trust Co, Port Sudan
200 bgs, Bank of N Y, Port Sudan
234 bgs, Chase Manhattan Bank, Port Sudan
250 bgs, Port Sudan
ARSENIC METALLIC—69 dms, Belmont Smelting & Refining Works, Gothenburg
BARBASCO ROOT—346 bls, H A Astlett & Co, Iquitos
BARIUM SULFATE—50 ctns, Picker X-Ray Corp, London
BEEF EXTRACT—250 cs, Buenos Aires
BEESWAX—34 bgs, Curacao Trading Co, Ciudad Trujillo
18 bgs, Schutte & Focke, Ciudad Trujillo
50 bgs, Machado & Co, Ciudad Trujillo
67 bgs, Mercantile Metal & Ore Corp, Alexandria
30 bgs, G E Hamann, Tampico
65 bgs, Tampico
55 bgs, Puerto Plata
BERGAMOT OIL—8 qu cs, George Lueders & Co, Messina
20 hf cs, Noville Essential Oil Co, Messina
BIRCHTAR OIL—5 dms, Magnus Mabee & Reynard, London
BLANC FIXE—800 bgs, C J Osborn Co, Rotterdam
BONE BLACK—450 bgs, Transatlantic Animal By Products Corp, Alexandria
BONEMEAL—2,204 bgs, Transatlantic Animal By Products Corp, Alexandria
CALCIUM NITRATE—1,500 bgs, McKesson & Robbins, Oslo
TARTRATE—267 bgs, Tartaric Raw Materials, Algiers
CAMPHOR OIL—36 dms, Dodge & Olcott, Keelung
25 dms, Orbis Products Corp, Keelung
CANDELILLA WAX—626 bgs, Tampico
CARAWAY SEED—300 bgs, R J Spitz, Rotterdam
200 bgs, Louis Furth, Rotterdam
100 bgs, Rotterdam
CARBON, DECOLORIZING—34 bgs, Hudson Shipping Co, Rotterdam
CARDAMOM—10 cs, H Schlicting, London
CARNAUBA WAX—63 bgs, Smith & Nichols, Tutoia
226 bgs, River Plate Corp, Tutoia
313 bgs, Strahl & Pitsch, Tutoia
112 bgs, Credit Suisse, Fortaleza
1,000 bgs, Balfour Guthrie, Fortaleza
600 bgs, Biddle Sawyer Corp, Tutoia
134 bgs, Wm Diehl & Co, Fortaleza
56 bgs, Frank B Ross, Fortaleza
33 bgs, Cornelius Wax Refining, Fortaleza
555 bgs, F J Henjes, Fortaleza
167 bgs, River Plate Corp, Fortaleza
312 bgs, J H Schroder, Fortaleza
105 bgs, Bahia Ceras Products, Salvador
CASEIN—2,400 bgs, Borden Co, Buenos Aires
1,400 bgs, Overseas Merchants Corp, Hamburg
CASSIA—447 pkgs, Rotterdam
CASTOR BEANS—3,386 bgs, Bahia Ceras Products, Salvador
1,733 bgs, Baker Castor Oil Co, Salvador
OIL—873 tons, Baker Castor Oil Co, Bombay
CHESTNUT EXTRACT—202 bgs, Barkey Importing Co, Genoa
CHLORINATED RUBBER—100 bgs, C M C Chemicals Inc, Liverpool
CHLOROHEXIDINE DIHYDROCHLORIDE—3 dms, A J Demay, Liverpool
CHLOROPHYLL—2 cs, Chas L Huisking & Co, Southampton
CINNAMONLEAF OIL—5 dms, Calvert Vavasseur, Colombo
CITRONELLA OIL—11 dms, Magnus Mabee & Reynard, Colombo
39 dms, Ungerer & Co, Colombo
COALTAR DYES—9 dms, Toms River Cincinnati Chemical Corp, Rotterdam
20 dms, Hensel Bruckmann & Lorbacher, Hamburg
83 dms, C A Haynes, Hamburg
12 dms, E I Dupont DeNemours & Co, Gothenburg
8 cks, Hensel Bruckmann & Lorbacher, Rotterdam
31 dms, Rotterdam
COCA LEAVES—125 bls, Chemical Bank, Salaverry
COCOA RESIDUE—834 bgs, Transcontinentale Commodities, Salvador
COCONUT OIL—298 tons, American Trust Co, Cebu
320 tons, American Trust Co, Zamboanga
COPAL GUM—417 bgs, Archer Daniels Midland Co, Matadi
344 bgs, Internatio Rotterdam, Matadi
CORIANDER SEED—300 bgs, Wm E Martin, Casablanca
CORN STARCH—1,462 bgs, Rotterdam
m-CRESOL—9 dms, H A Gogarty, Liverpool
CRESYLIC ACID—149 dms, M W Hardy & Co, London
459 dms, H A Gogarty, Liverpool
DAMMAR GUM—140 bgs, O G Innes Corp, Singapore
280 bgs, S Winterbourne & Co, Singapore
50 cs, S Winterbourne & Co, Singapore
DEXTRIN—1,320 bgs, Stein Hall & Co, Rotterdam
100 bgs, Stafford Inc, Rotterdam
300 bgs, Guaranty Trust Co, Rotterdam
EARTH COLORS—450 bgs, Naftone Inc, Rotterdam
EUCALYPTUS OIL—10 dms, Lo Curto & Funk, Kobe
FENNEL SEED—88 bgs, Wm E Martin, Bombay
400 bgs, M J Golombeck, Bombay
FUEL OIL—202,000 bbls, Esso Export Corp, Aruba
10,000 bbls, Asiatic Petroleum Corp, Curacao
82,131 bbls, Royal Petroleum Corp, Punta Cardon
73,518 bbls, Paragon Oil Co, Punta Cardon
105,748 bbls, Paragon Oil Co, Tampico
192,645 bbls, Esso Standard Oil Co, Aruba
136,104 bbls, Metropolitan Petroleum Corp, Puerto La Cruz
110,248 bbls, Central Petroleum Corp, Punta Cardon
FULLERS' EARTH—400 bgs, L A Salomon & Bro, London
GALLNUTS—167 bgs, Balfour Guthrie, Lattakia
GELATIN—50 bgs, T M Duche & Sons, Rotterdam
GINGER—286 bgs, Daarnhouwer & Co, Lagos
134 bgs, Wm E Martin, Lagos
438 bgs, Chase Manhattan Bank, Lagos
33 bgs, Becker Mayer Seed Co, London
138 bgs, Kellys America Ltd, Lagos
227 bgs, Lagos
559 bgs, Freetown
GLUE—340 bgs, Jung Forwarding Co, Liverpool
GLYCERINE—82 dms, R P Casado, Havana
GRAPHITE—375 bgs, Asbury Graphite Mills, Columbo
34 dms, Wedeman & Godknecht, Rotterdam
GUAIACWOOD OIL—34 cs, George Lueders & Co, Buenos Aires
GYPSUM—6,096 tons, U S Gypsum Co, Hantsport
HENNA LEAVES—400 bgs, S B Penick & Co, Alexandria
HOOFMEAL—607 bgs, International Packers Ltd, Buenos Aires
IRON BLUE—32 dms, Van Oppen & Co, Liverpool
JUNIPER BERRIES—490 bgs, Rijeka
KARAYA GUM—66 bgs, National City Bank, Bombay
66 bgs, Thurston & Braidich, Bombay
101 bgs, Wm M Allison & Co, Bombay
489 bgs, Morningstar Nicol, Bombay
183 bgs, Stein Hall & Co, Bombay
91 bgs, Tragacanth Importing Corp, Bombay
245 bgs, P A Dunkel, Bombay
123 bgs, Jacques Wolf & Co, Bombay
122 bgs, Meer Corp, Bombay
60 bgs, Chase Manhattan Bank, Bombay
KEROSENE DISTILLATE—6 dms, Esso Research Co, Southampton
LABDANUM GUM—5 dms, Seville
LACTOSE—225 dms, Chas L Huisking & Co, Liverpool
100 dms, Rotterdam
LAVENDER OIL—6 cs, Yardley of London, London
LEMON OIL—2 cs, George Lueders & Co, Messina
7 dms, Dodge & Olcott, Buenos Aires
10 dms, L A Champon & Co, Marseille
LICORICE FLAKES—394 bgs, Wm E Martin, Izmir
ROOT—17 bgs, S B Penick & Co, Beirut
LITHARGE—430 dms, Eagle Picher Co, Tampico
LIVER CONCENTRATE—3 dms, Wilson & Co, Buenos Aires
LOCUST BEAN GUM—300 bgs, T M Duche & Sons, Genoa
150 bgs, Hanover Bank, Valencia
60 bgs, Guaranty Trust Co, Valencia
1,319 bgs, J L Quesada, Valencia
556 bgs, Stein Hall & Co, Genoa
100 bgs, Guaranty Trust Co, Barcelona
900 bgs, Morningstar Nicol, Piraeus
500 bgs, Guaranty Trust Co, Rotterdam
MACE—14 cs, Jacoberg Overseas Inc, Rotterdam
14 cs, Mincing Trading Corp, Rotterdam
16 cs, Chemical Bank, Rotterdam
20 cs, Rotterdam
MENTHOL—10 cs, Prentiss Drug & Chemical Co, Kobe
25 cs, I R Boody, Kobe
MONTAN WAX—100 bgs, Cornelius Wax Refining, Rotterdam
MUSTARD SEED—355 bgs, C Gulden, London
MYROBALANS—3,543 bgs, Barkey Importing Co, Bombay
727 bgs, Hammond & Carpenter, Bombay
1,542 bgs, First National Boston, Bombay
291 bgs, London
NAPHTHALENE—1,475 bgs, American Cyanamid Co, Liverpool
1,005 bgs, Koppers Co, Liverpool
602 bgs, Gallard Schlesinger, Hamburg
1,000 bgs, Rotterdam
NAPHTHENIC ACID—140 dms, Nuodex International, Barranquilla
m-NITRO-p-TOLUIDINE—8 dms, A V Berner & Co, Liverpool
NUTMEG—70 bgs, Karl H Landes & E Balint, Singapore
140 bgs, R J Spitz, Singapore
125 bgs, Chemical Bank, Rotterdam
54 bgs, A G Dunn, Rotterdam
42 bgs, Rotterdam
OLIVE OIL—100 dms, Antonio Corrao Corp, Genoa
ORRIS ROOT—70 bgs, W Mahneke, Casablanca
OURICURY WAX—34 bgs, M Schmidt, Salvador
271 bgs, Bahia Ceras Products, Salvador
PALM OIL—501 tons, Balfour Guthrie, Matadi
75 dms, Matadi
PALMAROSA OIL—4 pots, George Lueders & Co, Bombay
PALMKERNEL OIL, HYDROGENATED—23 tons, Fallek Products Co, Rotterdam
PAPRIKA—1,625 bgs, Cadiz
PATCHOULI OIL—1 cs, Kane Export Corp, Penang
PEARL ESSENCE—5 cs, Mearl Corp, Genoa
PEATMOSS—415 bls, C Gastmeyer, Rotterdam
750 bls, Trans Sphere Trading Co, Bremen
500 bls, Lion Trading Co, Bremen
PEPPER, BLACK—80 bgs, Bankers Trust Co, Alleppey
140 bgs, E H Simpson & Co, Singapore
210 bgs, East India Trading Co, Singapore
105 bgs, C Czarinkow, Singapore
160 bgs, Cochin
32 bgs, Alleppey
RED—100 bgs, Borneo Sumatra Trading Co, Yokohama
100 bgs, Hismoco American Co, Yokohama
179 bgs, S L Jones & Co, Yokohama
300 bgs, M J Golombeck, Kobe
135 bgs, Robeco Chemicals Inc, Kobe
100 bgs, Karl H Landes & E Balint, Kobe
100 bgs, C M Van Sillevoldt, Kobe
50 bgs, S L Jones & Co, Kobe
100 bgs, M S Cowen & Co, Kobe
310 bgs, Largos
WHITE—210 bgs, A C Israel, Singapore
PETITGRAIN O L—12 dms, Wessel Duval & Co, Buenos Aires
PETROLEUM, CRUDE—113,269 bbls, Esso Standard Oil Co, La Salina
151,778 bbls, Gulf Oil Corp, Las Piedras
221,130 bbls, California Oil Co, Sidon
120,000 bbls, Socony Mobil Oil Co, Puerto La Cruz
29,810 tons, The Texas Co, Sidon

POLLACKLIVER OIL—100 dms, E F Drew & Co, Yokohama
POPPY SEED—268 bgs, M J Golombeck, Rotterdam
POTATO STARCH—100 bgs, Rotterdam
PSYLLIUM SEED—300 bgs, S B Penick & Co, Bombay
65 bgs, Meer Corp, Bombay
HUSKS—350 bgs, T M Duche & Sons, Bombay
PYRETHRUM EXTRACT—30 dms, P H Petry, Mombasa
FLOWERS—312 bls, Prentiss Drug & Chemical Co, Rijeka
PYRIDINE—20 dms, James E Fox, Liverpool
QUEBRACHO EXTRACT—3,244 bgs, Tanimex Corp, Buenos Aires
1,166 bgs, Tan American Corp, Buenos Aires
1,031 bgs, Olson Sales Agency, Buenos Aires
RAUWOLFIA ROOT—187 bgs, Select Trading Co, Matadi
269 bgs, Collett Week Corp, Matadi
RED IRON OXIDE—10 cks, J H Rhodes & Co, Liverpool
ROSEWOOD OIL—4 dms, Astoria Panamericana, Callao
SAGE LEAVES—100 bls, Trieste
OIL—12 cans, Rijeka
SANDRAC GUM—60 bgs, Craig Stanton, Casablanca
SASSAFRAS OIL—10 dms, Dodge & Olcott, Kobe
SEEDLAC—600 bgs, Wm Zinsser & Co, Calcutta
100 bgs, Haeuser Shellac Co, Calcutta
100 bgs, C H Timm, Calcutta
100 bgs, Gillespie Rogers Pyatt, Calcutta
SENNA LEAVES—1 bl, S B Penick & Co, Alexandria
SESAME SEED, HULLED—76 bgs, Archibald & Kendall, Bombay
SHELLAC—150 bgs, Gillespie Rogers Pyatt, Calcutta
100 bgs, C H Timm, Calcutta
50 bgs, Dings & Schuster, Bremen
SODIUM BICARBONATE—500 bgs, Chemical Manufacturing Co, Liverpool
CHLORIDE—26 kgs, Rotterdam
CYANIDE—716 dms, Chemical Manufacturing Co, Liverpool
365 dms, American Cyanamid Co, Liverpool
SILICOFLUORIDE—334 bgs, D Hauser, Yokohama
SPERM OIL—3,660 tons, Mitsubishi International Corp, Antartic Whaling Grounds
STARCH—110 bgs, Morningstar Nicol, Rotterdam
STYRAX GUM—76 cs, S B Penick & Co, Izmir
176 cs, Meer Corp, Izmir
TAR ACIDS—1 bx Tar Residuals, Liverpool
TARA SEED—550 bgs, Salaverry
TETRAALKYLTHIOPYROPHOSPHATE — 21 cans, Plants Products Corp, Rotterdam
1 dm, Chemagro Corp, Rotterdam
THEOBROMINE—145 dms, Maywood Chemical Co, Manchester
TOLU BALSAM—10 cs, Lo Curto & Funk, London
5 cs, D & S Chemical Corp, London
TRAGACANTH GUM—222 bgs, Khorramshahr
TRIACETATE—1 dm, Hercules Powder Co, Southampton
TRICHLOROETHYLENE—50 dms, Chemical Manufacturing Co, Liverpool
TUNG OIL—200 tons, Bunge Corp, Buenos Aires
TURMERIC—160 bgs, Chase Manhattan Bank, Alleppey
240 bgs, Brown Bros, Alleppey
VALONIA CUPS—17,135 bgs, Barkey Importing Co, Izmir
VANILLA BEANS—16 cs, Marseille
VETIVER OIL—2 dms, Port au Prince
WHITING—800 bgs, Whittaker Clark & Daniels, London
WOOL GREASE—50 dms, Robeco Chemicals Inc, Yokohama
WAX—26 dms, Alexander & Co, Liverpool
ZINC CYANIDE—89 dms, Chemical Manufacturing Co, Liverpool
OXIDE—640 bgs, Vera Cruz

Baltimore

CHESTNUT EXTRACT—3,300 bgs, Tanimex Corp, Marseille

Los Angeles

AGAR—22 cs, Pan Asiatic Trading Co, Yokohama
CANARY SEED—1,087 bgs, Seed & Feeding Corp, Buenos Aires
CASSIA—293 bls, Hismoco American Co, Rotterdam
COCOA POWDER—25 cs, 250 dms, 691 bgs, Bekins Van & Storage Co, Rotterdam
400 bgs, Cocoa Colonial Products Co, Le Havre
COPRA, BULK—500 long tons, Cargill Inc, Jose Panganiban
800 long tons, American Trust Co, Tabaco
1,500 long tons, The American Trust Co, Cebu
500 long tons, Cebu
CAKE—8,960 bgs, The American Trust Co, Zamboanga
2,240 bgs, The Procter & Gamble Manufacturing Co, Manila
CUMIN SEED—135 bgs, Walter Willner Co Inc, Rotterdam
267 bgs, Hismoco American Co, Rotterdam
CRUDE OIL—1,605,285 tons, Douglas Oil Co, Lobitos
DESSICATED COCONUT—550 bgs, Durkee Famous Foods, Manila
1,118 bgs, Baker Division, General Foods, Manila
600 bgs, M S Cowen Co, Manila
500 bgs, Philippine Dessicated Coconut Corp, Manila
LACTIC CASEIN—181 bgs, Frulacte S R L, Buenos Aires
200 bgs, The Borden Co, Buenos Aires
272 bgs, The Synkoloid Co, Buenos Aires
MOLASSES—3,230.2 long tons, Southwestern Sugar & Molasses Co, Hinigarin
1,966 long tons, Tako
NUTMEG—36 bgs, W Martin & Sons, Singapore
60 bgs, The Mincing Trading Co, Singapore
PAPRIKA—100 bgs, Hismoco American Co, Bremen
PEAT MOSS—500 bls, Downey Fertilizer Co, Bremen
500 bls, Nootbaar & Co, Bremen
PEPPER—15 bgs, A Fritz Co, Singapore
RED—135 bgs, Hismoco American Co, Kobe
WHITE—35 bgs, The Mincing Trading Co, Singapore
100 bgs, S L Jones Co, Kobe
100 bgs, Cal Compack Foods Inc, Kobe
SEEDLAC—200 bgs, Getz Bros Co, Bangkok
TAPIOCA FLOUR—2,505 bgs, Internatio Rotterdam Co, Bangkok
4,005 bgs, Stein Hall & Co, Bangkok

Newport News

ZINC SULFATE—46 bbls, Taco Corp, Gothenburg

Philadelphia

ASBESTOS FIBER — 100 bgs, Owens Glass Co, Puerto Cabello
BONE—1,487 tons, Credit Suisse, Rosario
CAMPHOR POWDER—40 cs, Vicks Chemical Co, Hamburg
CRESYLIC ACID—300 dms, Glasgow
CUTTLEFISH BONE—50 cs, Fries Co, Nagoya
FISHLIVER OIL—50 dms, Arista Oil Products Co, Yokohama
75 dms, Scandinavian Oil Co, Yokohama
FLUORSPAR—4,100 tons, F Samuel, Tampico
GYPSUM—4,930 tons, U S Gypsum Co, Deep Brook
MOLASSES—1,231,181 gals, Antilla
779,919 gals, Mantazas
863,719 gals, Bufadero
NAPHTHALENE—600 bgs, Gallard Schlesinger, Antwerp
PANCREAS GLANDS—153 bxs, Rohm & Haas, Auckland
PETROLEUM, CRUDE—102,345 bbls, Atlantic Refining Co, Mena Al Ahmadi
183,448 bbls, Socony Mobil Oil Co, Mena Al Ahmadi
108,525 bbls, Socony Mobil Oil Co, Amuay Bay
203,167 bbls, The Texas Co, Las Piedras
115,582 bbls, The Texas Co, Punta Cardon
581,664 bbls, Gulf Oil Corp, Mena Al Ahmadi
409,432 bbls, Gulf Oil Corp, Puerto La Cruz
RUTILE SAND—6,748 bgs, Union Carbide Corp, Brisbane
SODIUM CYANIDE—180 dms, C Hardy, Havre
UREA, SYNTHETIC—5,000 bgs, Chemical Manufacturing Co, Glasgow
WHITING—3,578 tons, London
36 tons, Antwerp

San Francisco

BARIUM CARBONATE, PRECIPITATED — 2,000 bgs, Mattoon & Co, Rotterdam
CARAWAY SEED—100 bgs, H C Ireland, Rotterdam
CARDAMOM—10 cs, H M Newhall & Co, Mangalore
7 cs, London
CASSIA—187 pkgs, Rotterdam
COPAL GUM—10 pkgs, D Hecht & Co, Hong Kong
77 bgs, H M Newhall & Co, Manila
COPRA CAKE—100 tons, Atkins Kroll & Co, Manila
CUMIN SEED—91 bls, H M Newhall & Co, Rotterdam
DEXTRIN—110 bgs, Adhesive Products Inc, Rotterdam
EARTH COLORS—450 bgs, Naftone Inc, Rotterdam
FISHLIVER OIL—150 dms, Wheeler & Miller, Yokohama
GINGER WASTE—83 bgs, K I Lister & Co, London
MONTAN WAX—100 bgs, Strohmeyer & Arpe, Hamburg
PAPRIKA—700 bgs, B C Ireland, Genoa
PEARL ESSENCE—3 cs, Pearl Corp, Pusan
PEATMOSS—500 bls, Lastreto Phillips, Bremen
PIGMENT PASTE—92 dms, Trinity Trading Corp, Yokohama
POLLACKLIVER OIL—200 dms, Wheeler & Miller, Yokohama
TRICHLOROETHYLENE—50 dms, N Y Hanseatic Corp, Rotterdam
VARNISH OIL—88 dms, Industrial Suppliers Co, Yokohama
WHITING—2,000 bgs, N H Weitzner, Antwerp

Current Prices

—*Continued from page 33*

Zinc chloride, tech., fused, dms., c.l., works	100 lbs.	10.10	—
l.c.l., works	100 lbs.	10.60	—
gran., fib. dms., c.l., works.	100 lbs.	10.85	—
l.c.l., works	100 lbs.	11.35	—
Chromate (see Yellow, zinc).			
Cyanide, kgs., 1,000-lb. lots or more, works	lb.	.523	—
smaller lots, works	lb.	.543	—
Dust, pigment, bbls., c.l., works.	lb.	.17½	—
l.c.l., works	lb.	.18½	—
Fluoride bbls., works	lb.	.49	.50
Hydrosulfite, dms., c.l., frt. alld	lb.	.21½	—
l.c.l., frt. alld	lb.	.22	.37½
Metal, prime western slabs, E. St. Louis	lb.	.13½	—
New York	lb.	.14	—
Naphthenate, liq., 8% Zn., dms., frt. alld	lb.	.24½	—
10% Zn dms. frt alld	lb.	.30	—
Oxide pigment, American process, lead-free, bgs., c.l., frt. alld	lb.	.14½	—
l.c.l., same basis	lb.	.15½	—
leaded, 35%, bgs., c.l., mills, frt. alld	lb.	.15½	—
l.c.l., same basis	lb.	.16½	—
50%, bgs., c.l., same basis	lb.	.15⅞	—
l.c.l., same basis	lb.	.16⅞	—
French process, coml., green seal, bgs., c.l., frt. alld	lb.	.15¾	—
l.c.l., same basis	lb.	.16¾	—
red seal, bgs., c.l., same basis	lb.	.15¼	—
l.c.l., same basis	lb.	.16¼	—
white seal, bgs., c.l., same basis	lb.	.16¼	—
l.c.l., same basis	lb.	.17¼	—
USP, ctns., c.l., frt. alld	lb.	.17¼	—
l.c.l., same basis	lb.	.18¼	—
Zinc oxide Pac. coast prices 1c. higher.			
Phenosulfonate, NF, gran., dms	lb.	.39	—
powd., dms	lb.	.42	.49
Resinate, precip., 7.2-7.6% Zn, dms. frt alld	lb.	.29	—
Silicofluoride, dms., works	lb.	.12½	.14
Stearate, tech., USP, ctns., c.l.	lb.	.39	—
	lb.	.39	—
l.c.l.	lb.	.40	.44
Sulfate, powd., monohydrate, 36% Zn, bgs., c.l., dlvd E	100 lbs.	8.75	—
l.c.l., dlvd E	100 lbs.	9.75	—
Zinc sulfate in bbls. 40c. higher.			
USP gran dms	lb	26	—
Sulfide, pure, bgs., c.l., dlvd	lb.	.2530	—
Undecylenate, dms.	lb.	2.25	2.50
Yellow (see Yellow, zinc).			
Zinc-ammonium chloride, bgs., c.l., works	100 lbs.	9.65	—
bbls., c.l., works	100 lbs.	10.25	—
l.c.l., works	100 lbs.	10.75	—
Zinc-formaldehyde sulfoxylate, basic, dms., c.l	lb.	.25½	—
l.c.l.	lb.	.26	.41½
normal dms., l.c.l., works	lb.	.52	—
Zircon (G), gran., bgs., c.l., works.	lb.	.03½	—
5 tons to c.l., works	lb.	.03⅝	—
1 ton to 9,999-lb. lots, works.	lb.	.04	—
smaller lots, works	lb.	.06½	—
milled, bgs., c.l., works	lb.	.04½	—
5 tons to c.l., works	lb.	.04⅝	—
1 ton to 9,999-lb. lots, works.	lb.	.04⅝	—
500-1,999-lb. lots, works	lb.	.07½	—
Zircon (G) in barrels, 1c. higher.			
Zirconium acetate, 13% com., ZrO., c.l., 30,000 lbs. minimum, works	lb.	.23	—
Hydride, cns., works	lb.	7.00	8.45
Nitrate, dms., ex whse	lb.	4.50	7.00
Oxide, 92½-99%, white, grd., bbls. or bgs., works	lb.	1.50	—
lump, electric-fused, bgs., c.l., works	lb.	.44	—
5-ton lots, works	lb.	.44½	—
1 ton to 9,999-lb. lots, lbs., works	lb.	.45	—
CP, white, grd., bbls., or bgs., works	lb.	1.50	—
lump, electric fused, bags, 500 to 1,999-lb. lots, works	lb.	.45½	—
smaller lots, works	lb.	.48	—
milled, electric-fused, bgs., c.l., works	lb.	.59	—
5-ton lots, works	lb.	.59½	—
1 ton to 9,999-lb. lots, works	lb.	.60	—
500 to 1,999-lb. lots, works	lb.	.60½	—
smaller lots, works	lb.	.63	—
Oxychloride, cryst., ctns., 5-ton lots, works	lb.	.35½	—

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Essential Oils, Aromatics

Though no new information has reached spot concerning damage done to crops and trees in Grasse and Northern Italy during the recent cold snap, the assumption is that considerable permanent damage has been done. This was somewhat born out by the leap in price taken by Neroli oil on spot. The new quote of $360 per pound was $25 per pound higher than the previous listing. Adding all advances made over the past month, the oil has moved forward about $100 per pound. However, one dealer noted, this high price, and the fear of no further supply of neroli from source, for some time, is an open door to aromatic chemical dealers to unload synthetic material, as replacement, on the market. Most dealers refrained from commenting on the situation, awaiting further development or completion of the reports on crop and tree damage.

Newcrop Formosan quality material appeared to be giving a soft tone to the market as a whole last week, dealers reported. Java quality dipped 5 cents per pound, while the week previous, Ceylon quality had dropped 6 cents per pound. Though Formosan itself failed to soften on spot, future shipment quotes were going at as low as $1.70 per pound. Short supplies on spot drove guaiacwood up another 10 cents per pound last week. The new listing is $1.60. Lemongrass also firmed; Italian quality lemon oil firmed on the strength of the South European damage reports.

Price Trends

Advanced

Celery seed, Indian, 1c. per lb.
Laurel leaves, Turkey, 2c. per lb.
Nutmeg, East Indian, 1c. per lb.
West Indian, 2c. per lb.
Oil, Chenopodium, 20c. per lb.
Guaiacwood, 10c. per lb.
Lemongrass, 10c. per lb.
Neroli, French, $25 per lb.
Vetiver, Haitian, 20c. per lb.

Reduced

Cumin seed, Iranian, 1c. per lb.
Cinnamon, Ceylon, #2, 1c. per lb.
Mace, East Indian, 5c. per lb.
Pepper, white, 1c. per lb.
Oil, Citronella, Java, 5c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Mar. 25, 1955
137.66	135.16	134.62	138.10

For Current Prices see Page 9

Essential Oils

Chenopodium — The spot market grew particularly strong last week, dealers reported. A price advance of 20c. per pound, brought the listing up to $3.65. Dealers attributed the market movement to the quality of material on the market at present. Lesser quality material that previously saturated the market was disposed of earlier, it was reported, and the better quality material started advancing in price almost immediately, a number of weeks ago.

Clove—Reports from Madagascar have it that the producing area for clove oil was recently hit by flood waters. While the storm was too late to affect this years crop of clove, about 40 or 50 percent of the trees have been damaged. Even if this fact doesn't affect the market at this time, it should definitely leave a mark on next years and possibly into the future dependent upon the amount of damage done.

Citronella — With newcrop influences at work, the situation in the Formosan quality of this oil was reportedly displaying a softer tone. Though the spot price stood at its previous listing ($1.95 per pound) the newcrop offering was reported being offered at $1.70 per pound for June-July shipment. Two weeks ago Ceylon quality citronella dipped 6c. per pound on the spot market to a quote of 94c. per pound. Java quality citronella declined 5c. per pound on spot to a $2 quote. Dealers suggested that this reflected the newcrop situation, particularly in respect to its effect upon spot.

Guaiacwood — Continued shortness of supply on spot drove this oil up another 10c. in price last week, dealers reported. The new listing is $1.60 per pound. Dealers reported that the unstability of the current market situation led source area producers to hold onto their material, which in turn has continued the scarcity of spot material.

Juniper Berry—A better inquiry has been reported for raw materials of this oil, dealers said. This was particularly reported of Yugoslavian quality material. Offers from Italy are said to be generally limited. Hand picked varieties are extremely difficult to obtain.

Lemon—Italian quality oil was reportedly firming on the strength of current reports of extensive crop damage to source areas by cold weather.

Lemongrass — Contrary to previous fears that resulted in early price declines, the lemongrass market has firmed considerably over the past weeks, dealers have noted. The spot listing bore this out last week, as it advanced 10c. per pound to a $2.25 quote. As little as a month and a half ago, prices had been down as low as $1.90 per pound. The current situation shows signs of continuing on the present level for some time, dealers said.

Neroli—French quality neroli oil, as a result of the calamitous damage done during the recent cold snap in Southern Europe, has skyrocketed in price, dealers reported. The latest listing of $360 per pound is a $25 advance over the previous quote. Dealers noted that there was very little French quality material on the market when the storm struck, and Spanish quality material is not to be found at all. Many dealers have withdrawn their material from the market in order to await further information or developments. A factor to watch, dealers said, is offering on the market of new aromatic chemicals to replace the void left by the stunted neroli supply.

Vetiver—This oil shifted for the first time in a number of weeks, dealers reported. The shiftfi in Haitian quality oil alone, was a 20c. per pound advance. The new listing is $9.80 per pound. Java and Bourbon qualities of vetiver continued at their previous listings.

Aromatic Chemicals

Citral—A price advance in the regular quality of this aromatic chemical was reported last week. Dealers attribute it to the foreward movement in native lemongrass oil. The new listing is $4.75 to $4.85 per pound. Extra grade material stands at $5.45 per pound.

Linalool — Bois de rose linalool continued to look soft last week, dealers reported, though the listing continued unchanged. The present quote of $5.35 per pound is 10c. less than the figure for a month ago. Dealers attribute the ease in the market to the condition of the source South American oils market which, though improved from its position earlier in the year, is still reflecting some ease.

Linalyl Acetate — This aromatic chemical, also a derivative of bois de rose, continues to reflect a certain soft overtone. Dealers attribute the condition to the continued ease of the source oils. The present listing, $5.40 per pound, is the result of two price declines within the past three months.

Seeds and Spices

Anise Seed — Though Mexican quality anise continues to go unquoted on spot, dealers report a

Essential Oils

shipment of newcrop due in at the end of March that should bring some listings out. Spanish quality seed continued at the previous listing of 32c. per pound.

Celery Seed — This commodity stiffened in both qualities on the spot market last week, dealers reported. Indian quality rose 1c. per pound to an 18c. per pound listing. French quality seed firmed on its outside quote and continued to look very strong in the market.

Cumin Seed—Iranian quality cumin declined 1c. last week as the result of a new shipment of material arriving on spot, dealers reported. The new listing is a 15c.-17c. per pound range. Turkish quality cumin seed continued unavailable on spot.

Nutmeg—The situation appears to be firming up well inthis market, dealers reported last week, with both qualities showing price advances. Also, dealers noted that no offers were being accepted beyond June for West Indian material. Shipment price of 65c. f.o.b. is close to the spot price of 68c. per pound for West Indian and 67c.-68c. per pound for East Indian.

Pepper—The market offered little or no news to spur trading. Consuming business on the main was restricted to fill ins on the spot and very nearby. The lack of any real discount for deliveries through July in either Malabar or Sarawak caused buyers to linger and wait rather than extend coverage. Movement in the market has been so slow during the past months, that dealers have been lulled into the feeling that it will be easy to cover tomorrow at today's level or perhaps a fraction less. Actually, there are factors at work that could upset their apple cart. India has proven ability to resist decline and refuses to meet even close bids. In time, this will mean arrivals from India will drop off and spot reserves will be depleted by normal consumption. Arrivals of further black pepper materials will be negligible for the next two months, most dealers report.

Vanilla Beans—Spot prices for vanilla beans remained unchanged, the bourbon variety remained at a $5.85 to $6.50 per pound range and the whole Mexican bean at $7.50 to $7.85 range. Trade is reportedly quiet with the inactivity being attributed to the expected arrival of about 1,500 cases of bourbon beans by mid-April against outstanding purchases. Virtually all of these goods, dealers said, will to extract manufacturers and under present circumstances manufacturers feel that it would be better to await the arrival of these beans before making additional purchases.

Polyvinyl Acetate Paint Sales Seen Depending on Science

Application and basic research will be the determining factors in increasing the sale of polyvinyl acetate paints in the future, it was predicted here in Los Angeles last week, on the eve of the third annual Pacific Coast Paint Materials and Equipment Show.

A. W. Dunning, director of marketing for Shawinigan Resins Corporation, Springfield, Mass., a major supplier of polyvinyl acetate emulsions to the paint industry said, "only through constant research can raw material suppliers offer paint manufacturers materials to satisfy customer requirements. Through research, specialized paints can be developed for specialized applications."

"It is our feeling that the market for PVAc paints has just begun to rise and sales should hit about 15 million gallons by the end of this year—almost double 1955 sales," he said. "We do not feel," he added, "that PVAc paints will replace other latex paint systems, such as styrene-butadiene, but each will seek its own sales level, much the same as styrene and polyethylene have done in molded plastics."

Perfumers Fete Poucher With Honorary Membership

William A. Poucher, chief perfumer and technical advisor to Yardley of London, England, was presented with an honorary membership by the American Society of Perfumers at its second annual symposium at the Essex House, New York, March 21.

Mr. Poucher became the first honorary member of the society from outside the United States. Frazer Sinclair and William Lambert are the only other honorary members of the society.

Penick Executive Retires; Was Forty Years With Firm

S. B. Penick & Co., New York, has announced the retirement of Edwin L. Schneider, assistant secretary of the firm. Mr. Schneider had been with Penick for forty years.

He was the first employee of the company in New York when the late S. Barksdale Penick moved his headquarters to that city from North Carolina.

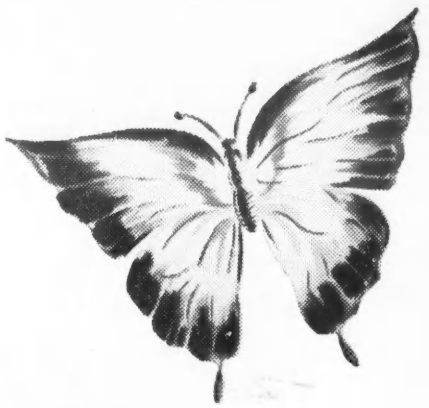
Tallow Alcohol Flakes Made by American Alcolac

Tallow alcohol in flake form is now being manufactured by American Alcolac Corporation.

Because of its low basic cost and unique properties the alcohol is currently finding application as a detergent intermediate, foam depressant and emollient, according to American Alcolac.

C. of C. Elects Coleman

John S. Coleman, president of Burroughs Corporation, Detroit, Mich., has been elected president of the Chamber of Commerce of the United States for a one-year term starting May 2. Election was by the chamber's board of directors.



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Coatings Materials

As the price of copper reached its highest point in 80 years last week, substantial advances appeared in the offing for copper oxides. However, as of press time, the situation was still confused—one major firm had established its price at the London quotation of 53c. per pound, while others were selling at 46-52c. per pound. Antimony oxides were reported steady at recently advanced quotations. Buying interest in pigments was generally moderate during the week.

An upward trend in the oils market will be reflected in alkyd resins, which are scheduled to be advanced 5 percent per pound on April 1. With automobile production on the upswing again, synthetic resins were selling at a satisfactory pace. In natural resins, business appeared even slower than reported for previous weeks. Prices, though, continued stable. Contracts for plasticizers have been drawn up to cover the March-June quarter with no price changes posted.

The price of casein dropped another 1c. per pound last week, and if supplies from Europe are up to optimistic estimates, it should drop further. Dealers are wondering at what price level consumers will be drawn back into the market. Many feel that a further drop up of 2-3c. should reestablish the material in the market.

Price Trends

Advanced
None

Reduced
Casein, imp., Arg., 1c. per lb.

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	Mar. 25, 1955
100.15	100.15	100.14	97.13

For Current Prices see Page 9

Prime Pigments

Antimony Oxide—Arrival in the market of low priced imports were said to be responsible for the 2c. per pound reduction in antimony oxide posted March 16 by leading manufacturers. The current carlot price is 27c. per pound, and less carlots, 28½c. per pound.

Production of antimony oxide during 1955 has been tentatively estimated at 5,390 short tons, as compared with 4,925 short tons during 1954. Consumption in 1955 rose to 6,452 short tons from 5,885 in 1954. Stocks of antimony oxide held on December 31, 1955, were estimated at 3,048 short tons.

Chrome Colors — Production of chrome green (chrome yellow and iron blue, CP) during December dropped to 563 short tons, from 620 short tons produced the month previously, according to a Census Bureau report. Chrome oxide green production in December was 634 short tons, compared with 936 produced the month before. Output of chrome yellow and orange in December was down to 2,084, as against 2,404 in November. Molybdate chrome orange production totals came to 515 short tons in December, down from the 617 short tons produced the month previously. Zinc yellow (zinc chrome) production amounted to 592 short tons, as compared with 661 produced in November.

Copper Oxides—As a result of a firming trend in copper metal, these materials were very firm last week, with dealers not discounting the possibility of immanent advances. As of press time, though, no action has been taken in this respect.

Lead Pigments — Sales continued at the moderate pace reported for the previous week. The paint industry, with Spring production under way, was in the market for a substantial share of material. The price of lead remained steady to firm, and accordingly pigment prices were stable. Supplies were reported sufficient for market needs.

Zinc Pigments—Seasonal interest was manifested by consumers in last week's market, with prices holding steady to firm. Sufficient supplies were on hand to meet consumer requirements.

Fillers and Inerts

Asbestos—Sales during the slow winter months were reported running 5-6 percent higher than the same period last year. Dealers feel that current quotations are well in line with costs and market conditions and thus foresee no changes in the immediate future. Record high production has kept supplies in good balance.

Mica—Major firms recently advanced their quotations ½c. per pound due to increases in production costs. Characteristically, mica sales have continued on a steady, uniform basis, despite fluctuations noted in related materials.

Synthetic Resins

Alkyds—On April 1 a top supplier will up its alkyd prices approximately 5 percent. Recent increases in the price of oils have made the move necessary, it was reported. Demand last week was at good seasonal levels, encountering ample supplies of material.

Naval Stores

February gum naval stores production totaled 4,790 barrels of turpentine and 14,420 drums of rosin, according to the crop reporting board of the Department of Agriculture. With one month remaining in the crop year, production to date has amounted to 144,660 barrels of turpentine and 439,660 drums of rosin, about 14 percent less than to date last season. Production of steam distilled and sulfate turpentine at 43,700 barrels was down from the previous month. Steam distilled rosin production dropped to 109,680 drums, the lowest since June 1955. Crude sulfate turpentine burned during February was reported at 100 barrels.

Rosin, Gum
(USDA, per 100 lbs.)

	Fri. Mar.16	Mon. Mar.19	Tues. Mar.20	Wed. Mar.21	Thur. Mar.22
Drums—					
M	...	$8.30	...	$8.30	...
N	...	8.35	...	...	...
WG	...	8.50	...	...	...
WW	...	8.58	...	8.57	8.57
Bags—					
K	...	...	...	8.325§	8.25
N	$8.37	...	...	...	...
WW	...	...	...	...	8.59

Tankcars (for week ended March 16)—M, $8.05

Sales, USDA

1,101*	961*	...	1,262*	499*

New York
(per 100 lbs., c.l., Friday)
E through N, $9.55; WG, $9.60; WW, $9.10

Turpentine, Gum
(USDA, per gal., 7.2 lbs.)

Price	.5625	.558§	.561	...	.564
Sales	4,000¶	18,000¶	8,000¶	...	12,000¶

New York, Friday, per gal. 7 lbs., tankcars, 63c., l.c.l. 75c.

*Drums equivalent. ¶Gallons. §Average price.

Natural Resins

Gum—The market was reported sluggish last week, with sales confined to immediate requirements. Despite the decline in buying interest, prices were firmly maintained. Dealers were unable to explain the drop in sales and were studying sales of related materials in an attempt to see what may be expected in the coming weeks.

Shellac—Reports from dealers indicate that sales of all grades were

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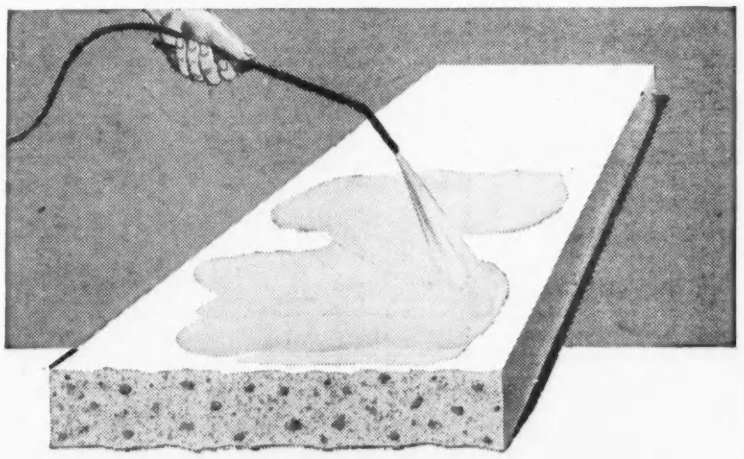

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lagging last week. In fact, one dealer reported that the market was nearly at a standstill. Although no concrete explanation offered itself, sources inside the market have observed a similar phenomenon to occur at this time in previous years, so that there may be no cause for concern.

Miscellaneous

Casein—As the price of Argentine casein dropped another 1c. per pound in last week's trading dealers were speculating as to how far the price would have to fall before buying interest would renew itself. This problem was brought about last winter when the price rose to 36c. per pound, thereby driving the bulk of consumers to substitute materials. The consensus right now is that consumers will be back in the market if the material drops a few more cents. This would be facilitated if it turns out that offerings from France are plentiful this season.

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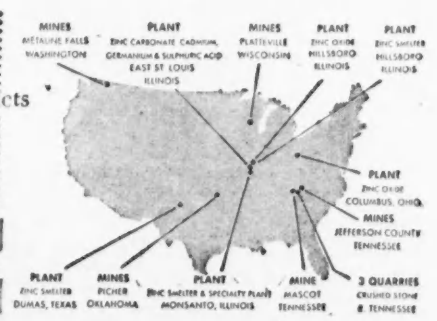

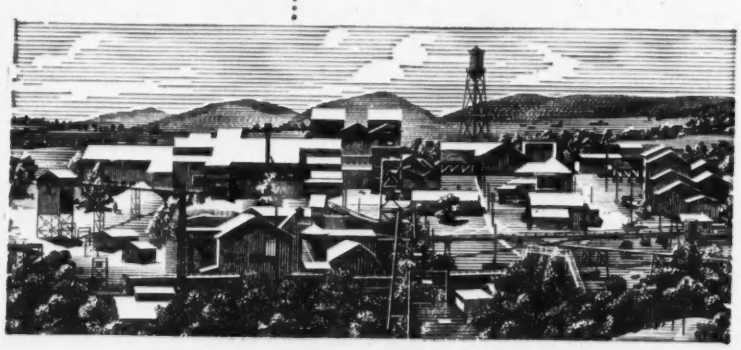

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One of the key factors in American Zinc's widespread mining and milling operations. In Tennessee, American Zinc also owns and operates mines in Jefferson County. It is here that one of the largest known reserves of zinc in the United States is found (in excess of 1,250,000 tons of recoverable zinc, proven, with additional large reserves indicated). For the complete picture, see map above.

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Obituaries

David W. Flohr

David W. Flohr, secretary of O. G. Innes Corporation, New York, died March 18. He was sixty years old. Mr. Flohr was associated with the company for thirty-six years.

Mme. Irene Joliot-Curie

Mme. Irene Joliot-Curie, Nobel prize winning physicist and daughter of Pierre and Marie Curie, the discoverers of radium, died March 17 in Paris, France. She was fifty-eight years old.

Mme. Joliot-Curie and her husband, Frederic, also a physicist, jointly received the Nobel prize for chemistry in 1935 for their discovery of artificially induced radioactivity.

Evan Ewan Kimble

Evan Ewan Kimble, founder of Kimble Glass Company, and a director of Owens-Illinois Glass Company until 1948, died March 16 in Ventnor, N. J. He was eighty-seven years old.

During World War II, Kimble Glass Company was one of the main sources of medicinal glassware for the government. During World War I, Mr. Kimble served with the scientific apparatus section of the War Industries Board.

David B. Blake, general traffic manager of American Smelting & Refining Company, New York, died March 21 in West Orange, N. J. He was fifty-one years old.

Alfred A. Halden, executive vice-president and a director of National Starch Products, Inc., New York, died March 18 in that city. He was sixty-one years old.

William Lindberg, assistant branch manager of the New York branch of Solvay Process Division of Allied Chemical & Dye Corporation, died March 22 in Lynbrook, N. Y. He was sixty years old.

Bids Wanted

Aluminum sulfate, 84.900 lbs., ground, Subic Bay, P. I., inv. 155-(1)-1259, Apr. 3, Gen. Stores Supply Office, Navy Dept., 700 Robbins Ave., Phila. 11, Pa.

Drugs, 23,400 bxs. of 6 dextrose injection, USP, 5%, 1000 cc, 3,480 bxs. of 6, 10% same, 18,490 bxs. of 6 dextrose and sodium chloride injection, USP, 1000 cc, 14,332 bxs. of 6 sodium chloride injection, USP, 1000 cc, inv. 617, Mar. 30, Armed Services Medical Procurement Agency, 84 Sands St., Bklyn., N. Y.

Gas, dichlorofifluoromethane, freon 12, 29,000 lbs., in 145-lb. cyls., inv. 7108-A, Apr. 9, Panama Canal Co., Procurement Officer, Procurement Div., 21 West St., New York 6, N. Y.

Gelatin, 3,600 lbs., plain, edible, Somerville, N. J., Hines, Ill., inv. S-194, Mar. 27, Vets. Adm., Chief, Procurement Div., Supply Service, Vets. Adm. Bldg., Washington 25, D. C.

Hydrochloric acid, 14,400 lbs. in 125-lb. cbys., inv. 374, Mar. 28, Contracting Officer, McClellan AFB, Calif.

Insecticides, 3,630 gals. chlordane and DDT mixed, inv. 48, Apr. 6, Moody AFB, Contracting Officer, Valdosta, Ga.; 8,500 gals. liquid concentrate chlordane, Pauline, Kans., inv. N140-1104, Mar. 29, Navy Purchasing Office, Navy Dept., 3rd & 29th St., Brooklyn 32, N. Y.

Isopropyl alcohol, 6 dms., inv. 8348, Mar. 28, Govern. Printing Office, Purchasing Agent, Washington 25, D. C.; 8,136 bots. dehydrated alcohol, 418 dms. isopropyl alcohol, 9,500 cans same, inv. 616, Mar. 29, Armed Services Procurement Agency, 84 Sands St., Brooklyn, N. Y.

Methanol, 11,160 1-lb. bots., acetone-free, Somerville, N. J., Wilmington, Calif., Hines, Ill., inv. A-395-A, Mar. 28, Vets. Adm., Chief, Procurement Div., Supply Service, Vets. Adm. Bldg., Washington 25, D. C.

Methylene chloride, 78,199 gals., grade B, East and West Coast, inv. 1238, Apr. 3, Aviation Supply Office, Navy Dept., 700 Robbins Ave., Phila 11, Pa.

Paint, 500 gals. ship bottom, anti-fouling, cold plastic paint, 500 gals. in 50-55 gal. dms. wood turpentine, inv. 7097-A, Apr. 11, Panama Canal Co., Procurement Office, Procurement Div., 21 West St., N. Y. 6, N. Y.; paint thinner, mineral spirits, inv. 18C, Mar. 29, Armed Services Petroleum Purchasing Agency, Washington 25, D. C.; 4,661 gals. quick drying, lustreless enamel, for ammunition, 2,764 gals. interior gloss enamel, 13,225 gals. syn. gloss enamel, for exterior and interior surfaces, inv. 1235, Apr. 10, 4,065 gals. syn. gloss enamel, East and West Coast, inv. 1297, Apr. 4, Aviation Supply Office, Navy Dept., 700 Robbins Ave., Phila. 11, Pa.

Sodium thiosulfate, 200 cwt., photographic, crystalline, with crystals or prismatic, inv. 9324, Mar. 30, Gen. Services Adm., Business Service Center, Denver Fed. Center, Denver, Colo.

Sterptomyycin, 67,500 bots., inv. 615, Mar. 29, Armed Services Med. Procurement Agency, 84 Sands St., Brooklyn, N. Y.

Trichloroethylene, 10 dms., inv. 8389, Mar. 30, Govern. Printing Office, Purchasing Officer, Washington 25, D. C.

Xylene, 12,000 gals., for use in organic coatings, grade B, inv. 95, Mar. 30, Armed Services Petroleum Purchasing Agency, Washington 25, D. C.

N. Y. Paint Clubs to Meet

A panel discussion on paint grinding equipment and a speech by Raymond C. Groner, of Socony-Mobil Oil Company, New York, entitled "Development of Ideas," will feature a special joint meeting of the New York Paint, Varnish and Lacquer association and the New York Paint and Varnish Production Club, at the Brass Rail Restaurant, New York, April 5.

Glidden Chemical Division Position Goes to Taylor

George B. Taylor has been appointed chief chemist for Glidden Company's chemical, pigments and metals division plant at Collinsville, Ill.

Mr. Taylor went to Glidden from Inter-Coastal Paint Corporation where he had served for five years as laboratory and production supervisor. Previously, he had been technical director for the Sewall Paint and Varnish Division, American Marietta Corporation, and production supervisor for the F & F Division, E. I. duPont de Nemours & Co.

Air Pollution Group to Meet

The 1956 Niagara frontier annual meeting of the Air Pollution Control Association will be held in Buffalo, N. Y., May 21 through 24.

Ky. Fertilizer Parley Set

The 1956 annual Kentucky Fertilier Conference has been scheduled for August 1, at the University of Kentucky, Lexington, Ky.

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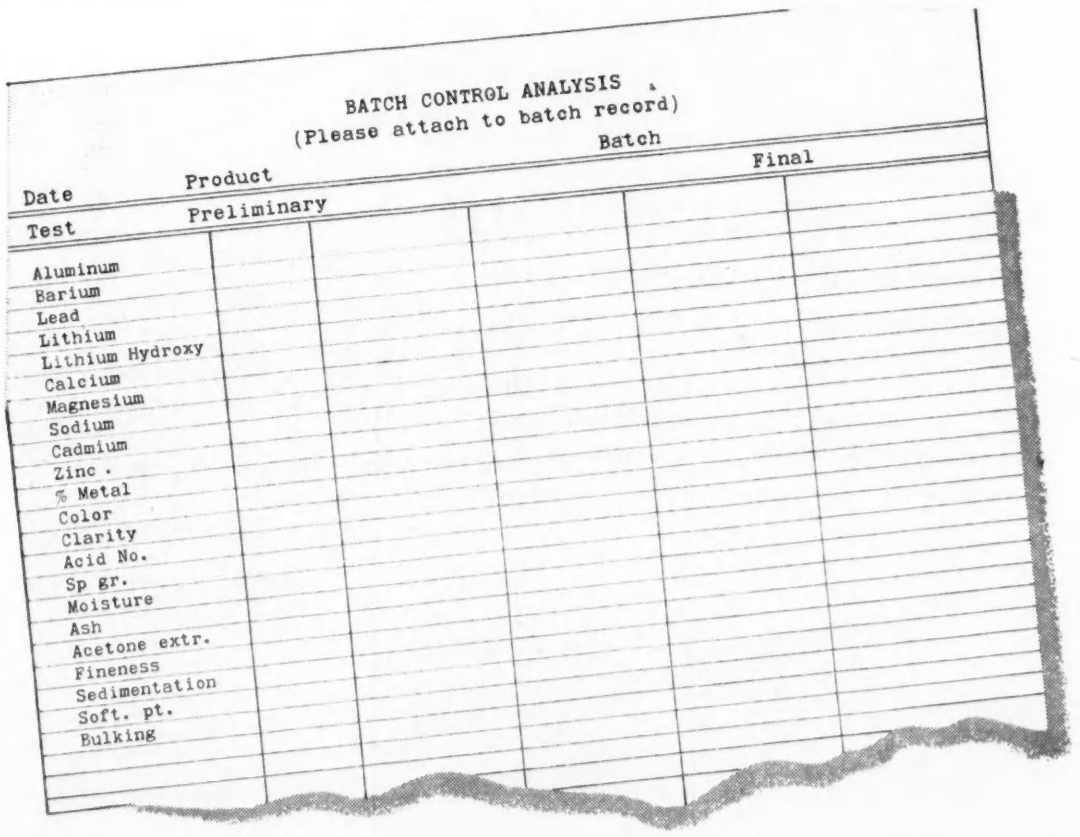

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Textile, Leather Chemicals

Consumers continued to absorb sizable quantities of textile and leather chemicals against former contracts last week, but restricted new business to nearby needs. Potato starch on spot was raised fractionally, reflecting the firmer market in Maine. Grinders restricted offerings preferring to await the clarification of government program to purchase potatoes for shipment abroad. Other sizing materials moved in fair volume for prompt delivery. Corn starch and dextrin were maintained at the recent slight advance due to higher freight rates. Good inquiry was reported for tapioca flour shipment from abroad, with stocks on spot in moderate request. Demand for sago flour was confined to spot delivery and light stocks were well held at former levels. In the chemical group, a steady tone prevailed, with consumers taking moderate quantities for immediate and later delivery. Prices were without change.

Buying interest for tanning materials was fair, with actual sales restricted to nearby shipment. Shoe production in February was estimated at 55.5 million pairs, establishing an all-time record for the month, and exceeding February 1955 output by almost 17 percent. All types of footwear appear to have participated in the gain over a year ago although boys' and youths' shoe production showed a gain of but 3.5 percent.

Price Trends

Advanced

Potato starch, ¼c. per lb.

Reduced

None

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Mar. 25, 1955
106.99	106.99	107.27	102.12

For Current Prices see Page 9

Chemicals

Bichromates — Market remained quotably unchanged. Good demand continued against current contracts.

Sodium Acetate—Business was reported spotty, chiefly for actual needs. Prices were without change.

Sodium Hydrosulfite — Demand was restricted to prompt needs. Prices were firmly maintained at prevailing levels.

Sulfonated Oils—Fair volume of business was reported for actual requirements. Prices were well held at former levels.

Sizing Materials

Corn Dextrin — Market was unchanged and steady. Business continued spotty for prompt delivery. Gum was quoted at $9.18 per 100 pounds, paper bags, carlots, New York basis; light canary, $8.92; dark canary, $9.02 and white, $8.76, same basis. Less carlots commanded a premium of 15c. per 100 pounds.

Corn Starch—Moderate volume of business reported for actual requirements. Prices remained steady. Pearl was quoted at $7.17 per 100 pounds, carlots, paperbags, New York delivery and powder, $7.28, same basis. Smaller quantities were 15c. per 100 pounds higher. Visible corn supply increased 493,000 bushels to 53,845,000 bushels for the week ending March 16, against 42,932,000 bushels for the same time last year it was reported by the Chicago Board of Trade.

Farmers intend to plant 78,686,000 acres to corn this year, the lowest level in 31 years, compared to 81,577,000 last year and 1945-54 average of 84,815,000 acres, according to the Department of Agriculture.

Egg Albumin—Trading was confined to immediate delivery. Flake was unchanged at $2.20 to $2.24 per pound and powder, $2.24 to $2.28 per pound, as to quantity. Technical was maintained at 83c. to 90c. per pound, same basis.

Egg Yolk—Consumers limited purchases to actual needs. Prices ranged from $1.02 to $1.04 per pound, spot as to quantity.

Potato Starch—Offers from Maine continued light and market was merely nominal at 6¼c. per pound, carlots, f.o.b. mills. New business was quiet, though demand against current contracts was quite active. Stocks on spot were higher and lifted to 8¼c. to 9c. per pound, exwarehouse, depending upon quantity. Shipments from Idaho were unchanged at 6c., carlots, f.o.b. mills, less 6/10c. for delivery to eastern points.

The Department of Agriculture reported farmers intend to plant 1,394,000 acres to potatoes this year, against 1,452,000 last year and 1945-54 average of 1,858,000 acres. Planned acreage would yield about 361,000,000 bushels, down from 381,600,000 last year.

Sago Flour—Business was reported spotty. Raw was well held at 7c. to 7½c. per pound and refined, 8½c. to 8¾c., exwarehouse, according to quantity.

Tapioca Flour—Steady volume of business was reported for spot and later delivery. Prompt shipment from Brazil was maintained at 6.1c. per pound, carlots, exdock and at 5.65c. from Siam, same basis. Stocks on spot were unchanged at 7¾c. to 8¼c. per pound, exwarehouse, as to quantity.

Tanning Materials

France has opened the first installments of the 1956 quota for export of hides and skins to the United States, fixed at 400 tons, salted weight, for calfskins and 300 tons, salted weight, for whole horsehides.

Applications for licenses will be received by the Office des Changes and must be accompanied by a pro forma invoice in duplicate. At the same time, an original copy or a photostat of the contract or acceptable substitute must be submitted to the Ministry of Industry and Commerce.

Chestnut Extract—Spotty demand was reported for actual requirements. Prices were without change. Liquid 25 percent tannin was quoted at 4c. per pound, tankcars, f.o.b. works; powdered 60 percent tannin, 10.32c. per pound, bags, carlots, and 11.02c. bags, less carlots, same basis.

Cutch — This market was unchanged and steady at 8½c. per pound, carlots, exdock, plus duty, prompt shipment. Buying interest was reported spotty.

Myrobalans — Business was confined to fill-in needs, as buyers restricted demand to nearby shipment. Prices were unchanged at the recent decline. No. 1, assorted was quoted at $63 to $64 per ton, exdock; crushed, $78 and Bombay, $62, same basis.

Quebracho Extract—Replacements were maintained at former levels. Trading was limited to nearby shipment. Solid ordinary, guaranteed 63 percent tannin quoted at 11 21/32c. per pound, exdock, plus duty and clarified 64 percent at 12 23/64c., same basis.

Valonia — Shipments were well held, despite light demand. Beards were quoted at $75 to $76 per ton, exdock, prompt shipment, and cups at $56, same basis. Extract was nominal at 8c. per pound, exdock, plus duty.

Wattle — Market was quiet, but steady. Shipments were maintained at former levels. Fair average bark was quoted at $98 per ton, carlots, exdock and merchantable, $94 per ton, same basis. East African extract was firm at 9⅞c. per pound and South African, 10c., carlots, exdock, plus duty.

Oils Fats and Waxes

Heavy liquidation of cottonseed and soybean oils destined for export caused prices to decline sharply late in the week. Before the break, trading had slackened appreciably. Other edible oils were affected. Peanut and corn oils were down fractionally. Crude coconut oil rallied and regained early losses.

Tallow and greases were firmer and advanced slightly under a fair volume of business for dealers account. Soapers showed fair interest in replacement but kept bids below asking prices. Export business also was limited, except for edible tallow which boosted prices fractionally.

Crushers reduced linseed oil slightly following the decline in flaxseed. Trading in drying oils was reported inactive. Tung oil was quiet and offered freely at the recent decline. Oiticica was unchanged and steady. Refined fish oil continued firm at former levels. Castor oil also was strong, reflecting the high cost of castor beans.

Soybean meal rallied and was stronger with the advance in beans. Cottonseed meal was lower and inactive. Linseed meal also was quiet and fairly steady.

Price Trends

Advanced

Cocoa butter, ½c. per lb.
Greases, ⅛c. per lb.
Lard, cash, 1/10c. per lb.
Oil, oleo, ¼c. per lb.
Soybean meal, $2 per ton.
Tallow, edible, ½c. per lb.
inedible, ⅛c. per lb.

Reduced

Acid, linseed, 1/10c. per lb.
Cottonseed meal, $1.50 to $2 per lb.
Oil, corn, crude, ¼c. per lb.
refined, ¼c. per lb.
Cottonseed, crude, ¼c. per lb.
refd., ¼c. per lb.
Linseed, 1/10c. per lb.
Peanut, crude, ¼c. per lb.
refd., ¼c. per lb.
Soybean, crude, ½c. per lb.
refd., ½c. per lb.

Comparative Price Indexes

(100—1949 average)

Last week	Prev. week	Last month	Mar. 25, 1955
102.60	102.56	99.47	108.41

For Current Prices see Page 9

Vegetable Oils

Castor—Market remained firm for domestic and foreign grades. No. 1 Brazilian was held at 15½c. per pound, tankcars, New York, prompt delivery.

Coconut—Crude closed firmer and prompt shipment was sold at 11c. per pound, tankcars, f.o.b. Pacific Coast, and 12¼c., New York basis.

Corn—Crude was sold at 15¼c. per pound, tankcars, f.o.b. mills. Refined was lower at 19.85c. per pound, tankcars, New York, prompt.

Cottonseed—Export demand was active early in the period, but subsided, with the result that futures developed an easier tone and fractional gains were not sustained. Market was narrow and lacked support. Trading was mixed and fairly active. Export sales were reported of 1,000 tons of refined cottonseed and 2,750 tons of refined soybean oils to Spain and 2,000 tons of refined cottonseed to Algeria. Demand for refined salad oil slackened. Tankcars were lower at 18½c. per pound, New York, prompt delivery.

Crude cottonseed oil closed lower. Sales were reported at 14½c. tankcars Valley; 14⅝c. nominal, Southeast; 14⅜c. asked, Waco and 14¼c. Lubbock, Texas.

Cottonseed Oil Futures

Sales and prices of prime summer yellow cottonseed oil futures in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended Friday, March 23, follow:—

	Sales	High	Low	Close
		——Cents per pound——		
May	468	17.10	16.51	16.56S
July	417	16.99	16.45	16.51S
Sept.	158	16.20	15.75	15.84@15.85
Oct	54	15.70	15.42	15.47S
Dec	106	15.20	14.90	15.05@15.10
Mar	4	15.07	15.05	15.03@15.10

Total sales, 1,207 contracts.

Linseed—Raw oil was reduced due to lower flaxseed market. Tankcars were quoted at 15½c. per pound, f.o.b. Minneapolis, March-August delivery. Trading was restricted to fill-in needs, while withdrawals against contracts continued in good volume.

Flaxseed — Farmers planned to plant 5,465,000 acres to flaxseed this year, compared to 5,192,000 in 1955 and 1945-54 average of 4,367,000. With normal yields this would produce a crop of 45,000,000 bushels against 40,600,000 last year.

Oiticica — Trading was spotty. Tankcars were maintained at 15½c. per pound, New York, prompt and later delivery. Drums were quoted at 16¾c. to 17¼c., as to quantity.

Olive—Market continued strong as stocks on spot dwindled under fairly active demand. Sellers were holding on the basis of $4 to $.10 per gallon, drums, duty paid, as to quantity. The trade still awaited official news of the release of oil for shipment from Spain against recent purchases.

Peanut — Crude was lower at 17¼c. per pound, tankcars, f.o.b. mills. Refined was easier at 21⅛c., tankcars, New York, prompt delivery.

Soybean — Market was unsettled and closed sharply lower. Export business was quite active, while domestic sales were slow. Crude was lower at 14c. per pound, tankcars, Decatur March; 13⅞c., April; 13¾c., May; 13⅝c., June; 13½c. July and 13⅜c., August. Refined salad declined to 17.10c. per pound, tankcars, New York, prompt delivery.

Soybean Oil Futures

Sales and prices of crude soybean oil futures in tankcars (60,000 pounds) on the New York Produce Exchange for the week ended Friday, March 23, follow:—

	Sales	High	Low	Close
		——Cents per pound——		
Mar	1	14.15	14.15	Expired
May	16	14.07	13.80	13.61@13.70
July	23	13.70	13.50	13.41@13.46
Sept.	15	12.83	12.70	12.70S
Dec	23	11.85	11.77	11.81@11.84

Total sales, 78 contracts.

Tung — Trading continued slow. Tankcars were offered at 25¼c. per pound, New York, and domestic oil at 1c. less, f.o.b. mills. Drums ranged from 26¾c. to 27¼c. per pound, spot as to quantity.

Miscellaneous

Castor Beans—Market was strong and nominal at $136 per ton, f.o.b. Brazilian ports.

Imports of castor beans and castor oil at New York and Philadelphia last week were as follows:—

	Pounds	
	Beans	Oil
Last week	767,850	1,746,000
Previous week	298,500	872,000
Corresponding week, 1954	2,004,150	1,394,000
Total this year	13,673,250	19,837,000
Corresponding period, 1954	28,914,200	17,224,000

Cocoa Butter—Prices were stronger and advanced to 48c. to 52c. per pound, spot according to quantity.

Copra—Shipments were irregular but closed steadier at $153 per ton, c.i.f. Pacific coast.

Fats and Greases

Greases — Improved demand chiefly for dealers account strengthened the market and prices were slightly higher. Export business was reported limited. Yellow grease was quoted at 6⅞c. to 7c. per pound, tankcars, delivered; choice white 7½c. and not all hog at 7⅜c., same basis.

Lard—Market was steady. Cash lard was unchanged at 11.70c. per pound, drums, Chicago.

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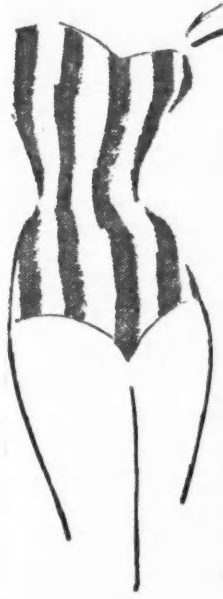

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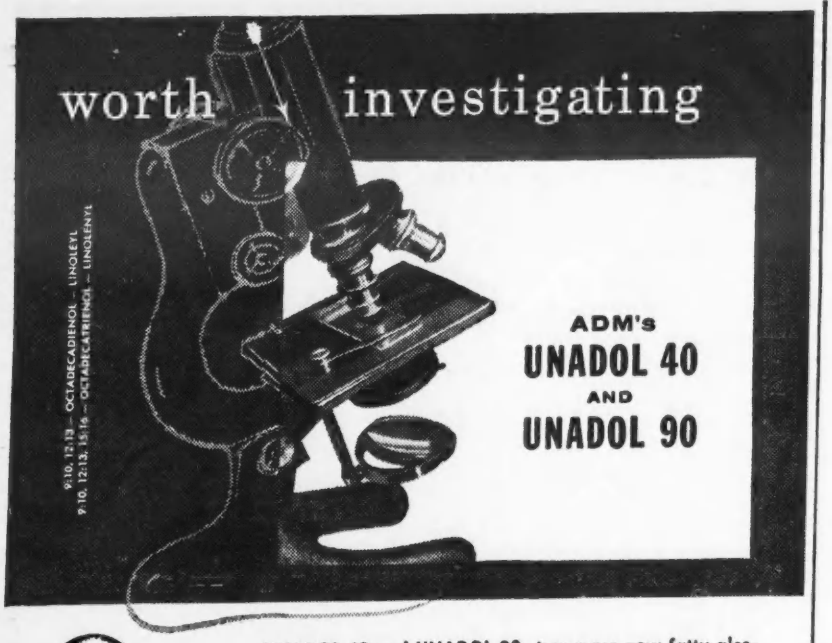

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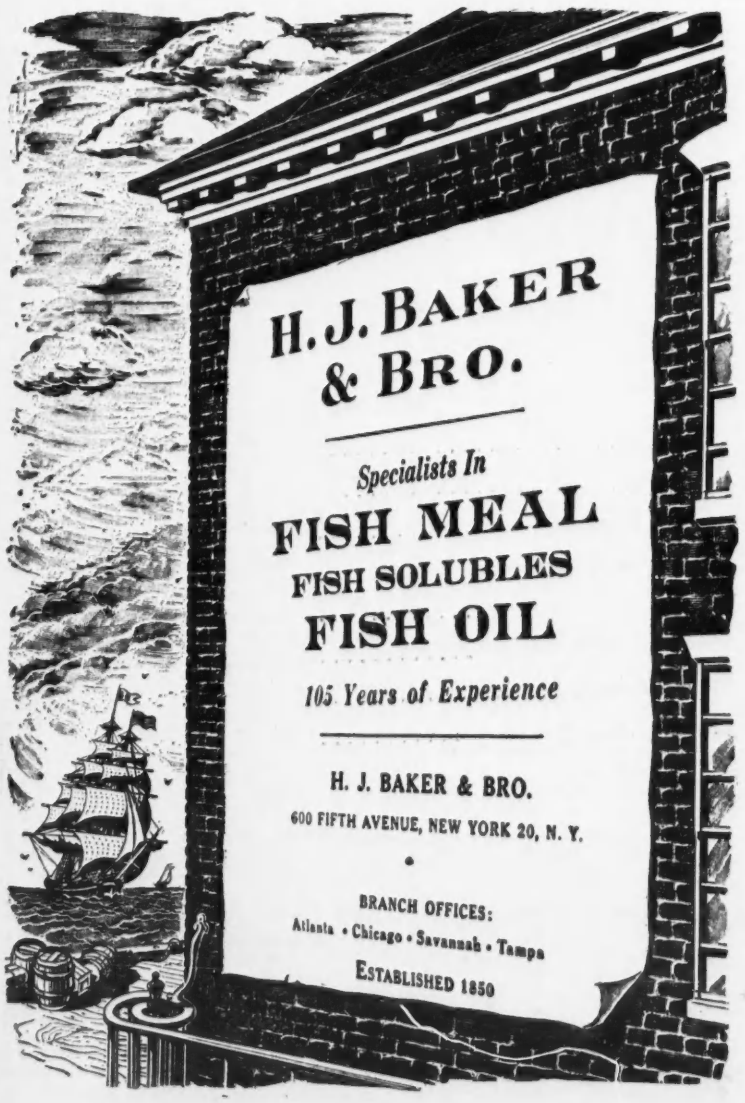

Oils, Fats and Waxes

Oleo Oil—Demand for extra was more active and quotations were raised to 14c. to 14½c. per pound, drums, as to quantity. Oleo stearine was unchanged at 11c. to 11½c. barrels, as to quantity.

Tallow — Increased trading for dealers account lifted quotations slightly. Soapers showed little interest in replacements and their bids were about ¼c. below asking prices. Bleachable fancy was quoted at 7⅜c. per pound, tankcars, delivered; extra, 7⅛c.; special, 7c. and No. 1, 6⅞c. Export demand was limited, except for edible tallow which lifted prices to 10c. per pound, tankcars, delivered. Guaranteed fancy was quoted at 8⅞c. to 9c. per pound, drums, f.a.s. and extra ⅛c. less.

Cake and Meal

Cottonseed Meal—Mills and resellers were pushing to sell nearby shipment but trying to get slightly higher prices for April forward shipment. Forty-one percent old process meal was lower at $49 per ton sacked Memphis; $51 Alabama; $55 Georgia, $56 South Carolina mills for March shipment and solvent at $44.50 Memphis, $43.50 lower Mississippi Valley points, March shipment.

Linseed Meal—Demand confined to actual needs.

Minneapolis.—Increased interest was shown in linseed meal and prices returned to former level following earlier declines. Although demand was improved, it was not aggressive, consisting mostly of nearby requirements. Crushers quoted extracted meal, 36 percent protein, at $46 a ton, bulk, in carlots, f.o.b., Minneapolis, for March-April; $48 for May forward; old process $51.50 for March, $53.50 for April-June.

Shipments of linseed meal, in pounds, were as follows:—

	1955-56	1954-55
Past week	12,540,000	14,520,000
Since Sept. 1	476,470,000	418,200,000

Soybean Meal — Market was firmer with beans. Forty-four percent meal unrestricted was higher at $48 for March; $49 April; $49 May-June; $50 July-February, Decatur, and at $48 for March, $49 for April, f.o.b. Mississippi Valley points.

Waxes

Consumers of vegetable waxes continued to operate in a hand to mouth manner. Carnauba grades were unchanged, but under selling pressure, despite firmness of the Brazilian market. Stocks of candelilla on spot were in better supply and sales were reported at a decline of 1c. to 2c. per pound, as to quantity and buyer. Bleachable grades of crude beeswax remained steady, due to the strength of replacement. Refined beeswax was inactive and quotably unchanged.

For Domestic and Export
COTTONSEED MEAL AND CAKE
PEANUT MEAL-SOYABEAN MEAL

Export Codes: ABC 5th, BENTLEY'S JUNIOR PEERLESS
Cable Address: BRODE
Phones: L. D. 271 – Local 38-2544
Teletype No. ME-260

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P. O. Box 700 1012 Falls Building
MEMPHIS, TENNESSEE

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Spermaceti Red Oil Glycerine
Ceresine Stearic Acid

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SUPERFINE COSMETIC LANOLIN USP
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Telephone: MArket 4-0410
Cable Address: RIVABID, Newark, N. J.

BAG PACKER—St. Regis for 25/50/100# bags.

HAMMER MILLS—Mikro 4TH, Jeffrey Junior 15x8 (10 HP), 20x20 (30 HP), Gruendler Model 2 W/feed screws.

SCREENS ROTEX — 40x120 Single, Tyler Hummer, 3x5 (double), 3x10 double.

PEBBLE MILLS — 18x18, 24x24, 24x36, porcelain lined, 6x9 Buhrstone, 24x18 Rubber.

BALL MILLS—Hardinge 6'x22", 7'x48" Pebble.

CRUSHERS—JAW—7x9, 20x4 Farrel, 11x26 Champion, 14x28 Acme.

CRUSHERS—ROLL—16x10, 30x16 Chambers, 42x16 Allis Chalmers "B".

MIXERS—Stokes 13 gal. Lancaster EBG & EAG W/skip hoist.

ROTARY DRYERS—12"x22', 39"x21', 44"x25', 5'x40', 6'x30'.

VACUUM PUMPS—Nash Hytor MD 673, 623, 1253, H6-H7, IR. 18 & 60 cfm, Leiman 105 cfm.

FORK LIFT—Hyster 15000# cap, pneumatics, power steering 12' lift.

GRANULATOR—Colton #2 (New).

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LAWLER PLACE, METUCHEN, N. J.

LIBERTY 9-0245

FOR SALE FROM STOCK

NEW STAINESS STEEL MIXERS DOUBLE RIBBON from 200 to 2,000 lb. capacity.
W&P 100 GALLON WC MIXERS jacketed sigma blades.
B&P LAB 2¼ GAL. MIXERS new jacketed.
LIGHTNIN 3 HP PORT AGIT new surplus.
PATTERSON 4x5 BUHRSTONE lined PEBBLE MILLS.
BUFLOVAK DOUBLE DRUM DRYERS 32"x52", 36x84, 42x120.
SMALL AND LARGE BALL MILLS and PEBBLE MILLS.
MIKRO 1TH, 2DH, 3TH PULVERIZERS.

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PHONE: CHesapeake 3-5300

STEIN EQUIP'T

OFFERS

DRYERS AND KILNS

Devine #12 & #23 Vac. Shelf Dryers.
Stokes 2'x6' Rotary Vac. Dryer.
2—Allbr. Nell 4x9 Atmos Drum Dryers.
1—Buffalo Vac. Drum Dryer, 24"x20"

CENTRIFUGALS AND CENTRIFUGES

4—Tolhurst 40" Suspended Type.
8—Centrifugals, 12", 20", 26", 30", 40" & 48" Steel, Copper, Stainless & Rubber.
6—Sharples No. 5A Stainless & #6.
2—De Laval Multi Clarifiers 300 & 301.

FILTERS

#2 Sweetland Filter 12 Stainless covered leaves
1—Vallez Filter #49 with 41 Stainless covered 44½" dia. leaves.
Gen. Amer. 2'x1' Rotary Vac. Filter.
Sperry and Shriver 6" to 36" iron & wood.
Sweetland & Oliver Filters.

KETTLES AND TANKS

Pfaudler 500 gal. Glass Lined Jack Reactor.
Pfaudler 250 gal. Glass Lined Jack. Kettle.
Dopp 350 gal. Agit. Jack Cl Vac Kettle.
2—Impreg. Units 30" & 36" dia. complete.
500 & 1,000 gal. closed Jack. Steel Kettles.
2300 gal. vert. agit. Jack. Steel Kettle.
1—250 gal. Lead lined Kettle.
Stainless, alum., copper. Glass lined, lead lined and steel kettles and tanks.

PULVERIZERS AND MILLS

2—Mikro Pulverizers #2TH & #2SI.
Abbe 37"x30" chrome-mang. Ball Mill.
Patterson 30"x42", 4'x5' & 6'x4'.
Abbe 30"x30". Also Jar Mills.
#1 Raymond Autom. Pulverizer, 20 HP.
1—#00 Raymond Mill, 30 HP complete.
2—#0000 Raymond Mills.
Sturtevant #0, 18" hinged Hammer Mill.
Schutz-O'Neill #1 & 20" Pulverizers.
Williams #3 & 2XX Hammer Mills.
Ball & Jewell Rotary Cutters Lab & up.
Jeffrey 18"x18" single Roll crusher.
2—Robinson 18" & 22" BB Attrition Mills.
1—Lehman 4 roll WC., 12"x36" Steel Mill.
4—Lehman & Kent 3 Roll Steel Mills, 9" x32", 12"x30", 16"x40".
1—Monarch 9"x24" Steel Roller Mill, 3 pr. high. Also 7½x20, 4 Roll.
Houchin 18"x30" 4 Roll Granite Stone Mills.
2—U.S. & Premier 1½ H.P. Colloid Mills.

MIXERS, SIFTERS & SCREENS

Day Imperial 75 x 150 gal. Jack.
Lancaster 6' dia. Vert. Mixer 25 HP.
Kent 3 HP. continuous dry mixer.
Baker Perkins double arm Mixers, 100 & 50 gals. Also single arm Mixers.
Blystone 3000# horiz. spiral mixer.
Day Brighton 20 gal. Change Can Mixers.
Read 50 & 100 gal. double arm mixers.
Read 80 qt. vert. mixer, 3 speed.
Orv. Simpson 20"x48" Rotex Sifter
Tyler 3'x5' Vibratory 2 deck Screen.
10—Dry Powder Mixers, 50 to 3,000#.
3—Day 8, 15 & 40 gal. Pony Mixers.
15—Portable Elec. Mixers, ¼ to 3 HP.
6—Lead and Paste Mixers to 150 gals.

MISC. AND SPECIALS

Kux 2½" dia. Tablet Machine.
Tablet Machines, Single Punch & Rotary.
Anderson & French Oil Expellers.
Kane 2 H.P. Gas Boilers, 200# pressure.
3—Stokes and Day Powder Fillers.
Filling Machines & Labelers.
Pneumatic Scale Automatic Capper.
1—Howe Mogul barrel and bag packer.
2—Worth 12"x12"x12" Vac. Pumps.
8—Devine, Buffalo, Stokes Vac. Pumps.
Conveyors & Elevators.
Soap Machinery for Toilet, Laundry, etc.
Centrif., Rotary, Duplex & Triplex Pumps.

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STERLING 8-1944

BRILL EQUIPMENT CO.

LIQUIDATION

Purchased 1953
Used 30 Days*

TANKS

1—Pfaudler 5'x18' Horizontal glass lined, 2500 gal.
1—Pfaudler 78" x 96" Vert. Glass lined 2300 gal.
2—1500 gal. 316 S/S 5' x 9' Vert. 20 PSI.
1—7500 gal. 316 S/S clad 12' x 6' x 5'6" cone.
1—750 gal. 316 S/S 5' x 5' cone bottom.
3—4' diam. 316 S/S Conical Hoppers.
2—3' x 32" 316 S/S Conical Hopers.
1—2' x 3' Horizontal Closed 316 S/S.
1—2½' x 3½' Horizontal Closed 316 S/S.
2—3' x 3½' Horizontal Closed Nickel Clad
2—7' x 11' Vert. Steel Brick & Lead lined.
1—7' x 7'4" Vert. Steel Brick & Lead lined 50 psi.
1—6' x 6' Vert. Steel Brick & Lead Lined.
1—4' x 5'6" Vert. Steel Brick & Lead lined, 50 psi.
4—4' x 8' Hor. Steel ASME 25 psi.
1—4' x 5'6" Hor. Steel ASME 25 psi.
2—3' x 7' Vert. Steel ASME 25 psi.

PUMPS—CENTRIFUGAL

1—Lawrence Vert. 316 S/S 70 gpm 157' hd 20 HP.
1—Lawrence Vert. 316 S/S 55 gpm 107' hd 7½ HP.
2—Lawrence Vert. 316 S/S 50 gpm 107' hd 5 HP.
2—Karbate Series 5A 60 gpm 60' hd 5 HP.
9—Karbate new Impellers.
1—I.R. 1000 gpm Series 5CRVL 40 HP.
2—I.R. 1000 gpm Series 5CRVL 30 HP.
2—I.R. 650 gpm Series 5CRVL 30 HP.

CONVEYORS

3—Link Belt 316 S/S 18" x 12', 18" x 18' 18" x 7' twin screw.
1—Link Belt Steel 10" x 16' twin screw.
9—Link Belt 12" Troughing Belt Conveyors 15', 20', 30', 35', 45', 50' open and closed with drives and motors.

REACTOR—CONDENSERS

3—4' x 13' closed 316 S/S Reactors or Convertors with 109—3" x 4' 316 S/S tubes 150 psi.
1—Pfaudler 250 gal. Hastelloy C Reactor.
2—Pfaudler Monel Heat Exchanger 62 sq. ft.
8—Karbate Heat Exchangers 188, 70, 16.4 sq. ft.

DRYERS

1—Buflovak 6'x5'6" Monel Drum Flakers NEW with drives and motors.
1—Rietz 30' "Thermoscrew" Conveyor Dryer 304 S/S NEW with drive & motor.

MISCELLANEOUS

1—I. R. Jet Refrigeration Unit, complete, 136 Tons 50°F. to 45°F.
1—Patterson 7'6" Conical Blender Rubber lined with drive & 15 HP motor.
2—Buffalo-Forge Fans 10,000 cfm at 7" S.P., 20 HP motor.
20—Link Belt Reducers and drives from ¾ HP to 15 HP.

* All motors are 3/60/440 V. explosion proof.

SPECIAL

400 S/S Valves ½" to 4" flanged and screwed. Large quantity of Tube Turns, Ells, Tees, Flanges, Bushings, 1" to 5". Porcelain Valves 1" to 4". Glass Lined Valves 2" to 3".

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IN STOCK

DRYERS

2—Wyatt 9'x40' S/S Rotary Dryers 13/16" clad shell.
3—Link Belt Roto-Louvre 7'5"x20', 5'2"x20', 3'10"x12'.
3—Hersey 4'x30', 3'x20', 18"x12' S/S Hot Air Rotary.
1—Struthers-Wells 5'x15' nickel Rotary Vacuum.
2—Buflovak 42"x120" Atmos. double drum.
1—Buflovak 2'x4' double drum vacuum.
1—Devine single door Vacuum Shelf with six 40"x43" shelves.
3—Devine double door Vacuum Shelf 17 and 20—59"x78" shelves.
3—Stokes Rotary Vac. 3'x15', 30"x8', 18"x42".
1—Devine Rotating Vacuum 5'x10'.
2—Louisville Rotary Steam Tube 38"x25', 6'x40'.
4—Rotary Dryers 5'x30', 4½'x50', 6'x40', 6'x74'.

MIXERS

1—Baker Perkins #16 VUEM double arm Dispersion Mixer, 150 gal.
8—Day "Cincinnatus" double arm 660, 250, 100 and 50 gals.
3—Abbe Aluminum Powder 12, 20 and 40 cu. ft.
2—Robinson 6'x16' S/S Powder 525 cu. ft.
9—Steel jacketed Powder 50, 225 and 350 cu. ft.
1—Struthers-Wells 6'x9' S/S Rotating, jacketed.
2—Robinson S/S jacketed Powder 48"x7'6" long, 90 cu. ft.

MILLS

1—Patterson NEW 6'x8' Porcelain lined Mill 50 HP motor.
3—Abbe Paterson 6'x8' unlined Ball Mills.
3—Abbe 5'x6', 4'x5', 3'x3½' Silex lined Pebble Mills.
3—Mikro Pulverizers #1SI Stainless, Bantam and #4TH.
1—National 6"x12" Two-Roll Mill, motor driven.
1—Williams 12"x18" S/S Hammermill.

CENTRIFUGES

1—Sharples PN-14 Monel, Super-D-Canter, 10 HP, TEFC motor.
2—Sharples C-20, C-27, Super-D-Hydrators, 316 S/S.
2—Bird 18"x28", 36"x50", stainless and steel, Solid Bowl Continuous.
1—AT&M 40" Suspended rubber covered, perforated basket.
1—Bird 40" Suspended, rubber covered, imperforate basket.
2—AT&M 42" Suspended 316 S/S perforated basket.
1—AT&M 36" center-slung, rubber covered, perforated basket.
1—Fletcher 30" center-slung, S/S perforated basket.
1—Tolhurst 26" suspended, rubber covered, perforated basket.
1—Fletcher 20" suspended S/S perforated basket.

REACTORS, CONDENSERS, TOWERS, TANKS

1—2500 gal. 304 S/S jacketed Reactor.
8—4000 gal. 7'x14' Steel jacketed, agitated Kettles.
3—6'x6' jacketed, agitated Kettles 316 S/S.
1—10'x16' Aluminum Tank, ½" shell, 10,000 gals.
2—5,000 gal. Vertical 347 S/S Tanks ½" shell.
2—Pfaudler 100 gal. glass lined, jacketed, agitated Reactors.
1—8500 gal. Horizontal Pressure Tank, 275# W.P.
2—8'6"x28' rubber lined Tanks, 13,000 gals.
2—10'x40', 10'x30' Horizontal Storage Tanks ½" shell.
5—S/S Towers 7'x25'6", 4'x30', 12"x14'.
25—Atmospheric S/S Heat Exchangers 715 & 477 sq. ft.
3—Struthers-Wells 5500 & 536 sq. ft. S/S Heat Exchangers.

FILTERS

1—Oliver 8'x10' Monel Rotary Vacuum.
3—Eimco 18"x24", 18"x12", 316 S/S Rotary Vacuum.
1—Feinc 5'x3' Monel Rotary Vacuum String.
2—#3 Sweetland S/S Filters, 12-25" dia. leaves 75 sq. ft.
4—#3, #5, #7, #12 Sweetland Filters.
4—Shriver 36"x36", 30"x30", c.i. Filter Presses, P&F, washing.

MISCELLANEOUS

2—Foster Wheeler Dowtherm Units 250,000 and 4½ Million BTU.
4—Orville Simpson Rotex Sifters 40"x120", 40"x84."
6—Robinson, Sprout Waldron S/S Sifters 40"x84", single deck.
5—Stokes DDS2, "R" and "T" Tablet Presses.
1—Komarek-Greaves Briquetting Press 316 S/S, 20 HP motor.
2—Ball & Jewell #2, #1½ Rotary Cutters.
7—Nash Vacuum Pumps #H7, #H6, #L5, #4, #2.
2—Beach-Russ Model "D" Vacuum Pumps 50 cfm.
7—Durco S/S Centrifugal Pumps 1" to 3".

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PERRY EQUIPMENT CORP.

IN STOCK

KETTLES

3—Bartlett Snow 6' dia. x 3' deep Jacketed and Agitated Stainless Steel Crystallizing Kettles.

4—Jktd. St. St. closed—to 450 gal.

35—Jktd. St. St. open top—to 550 gal.

5—Aluminum Reactors, Jktd. & Agit., 35 to 250 gal.

MILLS

1—Ross 3—Roll Ink Mill, 9"x24".

1—Day 3 Roll Ink Mill, 16"x40".

1—St St. 3—Roll Ink Mill, 7"x14".

1—St St. Pug Mill, two 7" dia. x 39" L overlapping chambers, jacketed.

1—Patt. Fdy. "DJ" Unlined Jacketed Steel Ball Mill, 6' dia. x 8' long—UNUSED.

2—Pebble Mills, 6' D x 8' L.

4—Abbe Pebble Mills, 38"x42", 38"x48", 48"x42".

1—Al. Ch. 6' D x 16' L Steel Lined Contin. Ball Mill.

3—4'6" D x 12' L contin. Pebble Mills.

1—Hardinge 6' D x 22" L Conical Ball Mill, Steel liner.

1—Charlotte #50 Colloid Mill, 75 HP.

1—Penna. Ring Type Granulator, Trojan K3-24, 40 HP.

3—Fitz. Mills, St. St., D-6, F-8, & K.

5—Hammer Mills: Jeffrey 42x36 Gruendler 36x24; Jay Bee #4-W, 75 HP; Williams 14"x14"; Williams size A, St. St. and Aluminum.

1—Sturtevant 8x10 Jaw Crusher.

2—Attrition Mills, 30" & 24".

3—Mikro Pulv. #2-DH; #2-TH; 3-TH.

MIXERS—BLENDERS

2—Day 75 gal. Stainless Steel Double Arm Sigma Blade Jacketed Mixers.

3—Readco Heavy Duty Double Arm Sigma Blade Jacketed Mixers, 50 gal. work. cap., 30 HP Expl. Pr. Motor. Built 1951-53.

4—Sprout Waldron Ribbon Mixers, 336 cu. ft. (12,000 lbs.) work. cap.

2—W&P Sigma Blade Double Arm Jacketed Mixers, 100 gal. work. cap.

1—Patt. Kelly St. St. Twin Shell Blender, 5 cu. ft. work. cap.

7—Side Entering Stainless Steel Mixers, 10 HP to 25 HP.

3—Falk Vert. Agitator Drives #10-GDX, 10:1, 300 HP—UNUSED.

12—Turbo vert. drives #5B, 5:1, 40 HP.

PUMPS

1—Ing. Rand #10-ALV Centrifugal Pump, bronze fitted, rated 3000 GPM @ 200'—UNUSED.

3—Centrifugal Pumps, 1000 GPM—50', 86' & 91' resp.

2—Ing. Rand #1½—CRVNL—all bronze Centrifugal Pumps, 2"x1½"—UNUSED.

12—Aurora All Bronze Turbine Pumps, models II-5, G-6, H-6—UNUSED.

1—Byron Jackson Bronze Deep Well Turbine Pump, 20 HP, 150 GPM.

TANKS

10—4,600 gal. Brewery Glass Lined Welded Steel Tanks.

75—Welded Steel Tanks, dished heads, up to 23,000 gal. cap.

6—4500 gal. St. St. Clad Jacketed Tanks with agitators.

1—St. St., T304, ⅛" 10,500 gal. Horiz.—UNUSED.

1—St. Clad. T304, ⅜", 6500 gal. Vert.

1—St. St. T316, 5/16", 4000 gal. Horiz.

10—St. St. Pressure Tanks—to 4000 gal.

20—St. St. Storage Tanks—to 1000 gal.

1—Aluminum, 4,000 gal. vert.

12—Aluminum, 3000 gal., 5 compart.

10—Aluminum, 500 gal., 80# WP.

1—Monel 450 gal., coils; ¼".

PIPE & FITTINGS

1000'—St. St. Tubing, T347, 3" OD x ⅛" wall—USED.

150—St. St. Flanged Gate Valves, T302/304, 150#, 1½", 2", 2½", 3"—USED.

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36" MOLECULAR STILL, 304 STAINLESS. NEW 1951—HARDLY USED.

310-12 L. B. Roto Louvre Dryer SS.
705-20 L. B. Roto Louvre Dryer SS.
C27 Sharples Super-D-Hydrator SS.
C20 Sharples Super-D-Hydrator SS.
100 sq. ft. 347 SS Heat Exchanger.
5'x15' Rotary Vacuum Dryer, nickel.
250 cu. ft. SS Blender.
28A Robinson Gyro Sifter SS.
24" Filter Press, aluminum P&F.
5'x22' Ball Mill, complete, NEW.
6'x8' Patterson and Abbe Ball Mills.
140 cu. ft. Paddle Mixer, NEW.
19 cu. ft. Patterson Blender.
200 gal. Baker Perkins Churn.
48" Bird SS Centrifuge, perf.
36"x50" Bird Cont. Centrifuge.
19"x12' Karbate Column, NEW.
2000 gal. Reactor, 200 PSI.
12,000 gal. 150 PSI Tanks ASME (3).
1300 gal. Glass-lined Tank.
8'x10' Oliver Rotary Filter.
5'x10 Hearth Herreshoff Furnace.
8'—5'—18" Gayco Separators.
8'x125'x⅝" Rotary Kiln.
5'x20'x¼" Rotary Cooler, welded.
4'x27' Rotary Dryer, oil fired.
310-12 L. B. Roto Louvre Dryer.
502-20 L. B. Roto Louvre Dryer.
57' Elevator 10"x6" buckets
625 CFM Worth. Compressor 100 PSI.

HEAT & POWER CO., Inc.
60 EAST 42nd ST., NEW YORK 17, N.Y.
MUrray Hill 7-5280
[Machinery & Equipment Merchants]

ECH SPECIALS

Baker Perkins SS Lab Mixer, Sigma arms 1 HP
Day 5 gal. S/S jktd. vac. Mixer, sigma arms
Hercules 200 sq. ft. S/S Precoat Leaf Filter.
Gen. American 42" x 120' twin drum dryer
Sharples Super Centrifuge 316 SS 2 HP exp.
Tolhurst 48" S/S Centrifuge, exp. proof mtr.
Baker Perkins 100 gal. S/S Mixer, 20 HP exp.
Baker Perkins Size 30, Type RWUEM, Sigma Arms Jktd Mixer SS, 150 HP., motor & drive.

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CHOICE EQUIPMENT AVAILABLE NOW

1—Hersey 4' x 30' S.S. Rotary Dryer.
1—Roto-Louvre 705-20 S.S. lined Rotary Dryer.
1—Patterson 5' x 22' Ball Tube Mill—Unused.
3—Sturtevant #10 & #12 Rotary Blenders—Unused.
1—A.T. & M. 60" S.S. Centrifuge, M.D.
2—Devine 20 shelf Double Door Vacuum Shelf Dryers, 59" x 78".
6—Surface Condensers & Receivers 50 to 150 sq. ft.
1—Stokes Microvac Pump 60 c.f.m. M.D.
4—Day & Ross 40 gallon Pony Mixers 1 & 2 speed, M.D.
2—Rotex Sifters 40" x 66" Double and 40" x 84" single deck, M.D.
1—Closed 500 gal. S.S. Vac. Tank.
1—Lee 300 gal. S.S. Jack. Kettle 90# W.P.
1—Pfaudler 500 gal. G.L. Reactor.
1—Double Drum Dryer 4' x 9'.
1—Buflovak 6' dia. Vac. Crystallizer.
1—Patterson 4' x 5' Pebble Mill, M.D.
1—Tolhurst 40" Sus. Style Rubber Lined Centrifuge.
1—W & P 100 gal. Double Arm Jack. Mixer, M.D.
1—Day Imperial Stainless Steel 350 gal. Mixer, Type MDF.
2—Patterson 5' x 6' Double Cone Blenders, M.D.

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AUTOCLAVE—A. O. Smith; type 316 Stainless; 370 PSI; 5'x9'
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DRYER—Hersey Rot. Gas Fired Counter Current with flights; 5'x26"
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EXTRACTION SYSTEM—New Blaw Knox Solvent Extraction System
CENTRIFUGAL—Bird Continuous; 36"x50"; with 40 H.P. Motor
CENTRIFUGAL—Bird Continuous; 18"x28" with solid conical bowl
CENTRIFUGE—Baker Perkins Termeer Model S 15 in type 316 Stainless
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CENTRIFUGAL—Suspended Bird 48" Solid Bowl; rubber covered contacts
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FILTERS—Enzinger New Pressure Leaf Filters; 360 sq. ft.; 4'x57" with cone
FILTERS—Sweetland Pressure Leaf Filters sizes from No. 2 to No. 12
FILTER—Niagara Vertical Model 510-28; Type 316 S.S.; 48" dia. Tank
FILTER—Horizontal Rotary Vacuum Filter; 7' dia. Stainless contacts
FILTER—Oliver Dorrco Rotary Vacuum; 6'x3' with Nickel contact parts
FILTER—Eimco Rotary Vacuum Filter; 8'x8'
MIXER—H. K. Porter Stainless Jacketed Ribbon Mixer; 4'x4'x7'6"
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6—Patterson Steel Jacketed Kettles, 2500 gallons each. (Patterson).

3—Stainless Steel Jacketed Kettles, 125 gallons each.

1—A. O. Smith type 347 Stainless Steel jacketed Autoclave, 300# pressure (ASME).

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1—Stainless Steel 8000 gallon Tank, with agitator.

1—Stainless Steel Jacketed, 3000 gallon Tank.

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7—Worthite Centrifugal Pumps—Model 1CG1—with 1 HP motors.

2—Alco Heat Exchangers, 1600 sq. ft., with Admiralty Metal Tubes. (New).

1—Vogt Heat Exchanger, 500 sq. ft. with Admiralty Metal Tubes.

1—Worthington Air Compressor, Model HB, 14" x 11" with 50 HP Motor.

1—Link Belt Roto Louvre Dryer, Model 502-20, complete.

1—AT&M Suspended Type 304 Stainless Steel Centrifuge with 48" Solid Basket.

2—Stainless Steel 8000 gallon Tanks, with coils and agitators.

1—Buflovac Double Drum Dryer, Size 42" x 120".

1—Hersey Stainless Steel Rotary Dryer, 38" x 15'.

1—Bartlett & Snow Rotary Dryer, 54" x 36' long, complete with Vari-speed Drive.

1—Hardinge Rotary Cooler, 104" x 70' long.

1—Hardinge Rotary Cooler, 104" x 30' long.

11—Aluminum Horizontal Storage Tanks, 9'x36' 17,000 gal. each.

2—Rotary Dryers, 66" x 42' long.

3—Baker Perkins Jacketed 4500 gal. Double Arm Mixers with Naben Blades.

1—Baker Perkins Jacketed 300 gallon Double Arm Mixer, Naben Blades.

1—Baker Perkins Stainless Steel Jacketed 4.5 gal. Double Arm Mixer, Sigma Blades.

1—J. H. Day Stainless Steel Jacketed 200 gal. Double Arm Mixer, Sigma Blades.

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1—New Nash Vacuum Pump Type AL-572.
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1—Stedman Disintegrator size 40-6.
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±316 Stainless Steel Tanks, new 100, 200 & 360 gal.
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1—Manton Gaulin Stainless Homogenizer, 125 gph.
1—I&R Vacuum Pump, 5 H.P., 60'.
4—Heat Exchangers, 12" dia. 11' lg., 43 steel tubes.
1—Stokes Single Punch Tablet Machine.
1—Raymond 8" Hammer Mill, like new.
Davenport Rotary Steam Tube Dryer, 6'x36'.
2—Stainless Steel Steam Jacketed Readco Mixers.
1—±316 Stainless Reactor, 265 gals. cap., jacketed.
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1—Patterson Ball Mill, 42x36, jacketed.
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Robinson Pulverizer ±20, with 2 motors 10 HP each.
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2—Crystallizers—10' long.
3—3,000 gal. Jacketed Kettles with Turbo Agitators.
1—±10 Day 300 gal. jacketed Sigma Blade Mixer.
1—Sparkler Stainless Filter Model 18-S-23.
1—Sparkler Stainless Filter Model 33-S-9.
3—2500 gal. Pfaudler G/L Tanks & S/S Agitators.
6—Blackburn-Smith Jacketed Filters, 20 to 160 gpm.
1—Jeffrey Vibrating Conveyor, 15' long.
4—New Heat Exc. 60' with Cupro Nickel Tubes.
1—Meade Mill ±2 with 7½ H.P. Motor.

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2—Sweetland ±11 and 12 Stainless filters, 690 sq. ft. area.
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1—Eimco 4x1' steel rotary vacuum filter.
1—Dorco 6x3' rotary vacuum filter.
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Industrials Way Below Market: 1500 lbs. Copper Acetate (Phelps-Dodge); 3000 lbs. Amine #220, (C&C); 1500 lbs. Lead Peroxide (recrystallized); 1500 lbs. 2 Methyl, 5 Ethyl Pyridine (C&C); 5,500 lbs. Dicyclohexyl amine (Monsanto); 50 tons Styrene Monomer; 1700 lbs. Kralastic D Black; 1601 Resin (Naugatuck); Catechol C.P. (Koppers); Industrial By-Products & Surplus Co., div. of Aceto Chemical Co., Inc., Flushing 54, N. Y. INdependence 1-4100.

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Coatings Funds to Korea

The International Cooperation Administration last week allotted $340,000 Korea for the purchase of rosin, turpentine, shellac, arabic gum, copal gum and dammar gum. Purchases will be made on a world-wide basis under PA No. 89-215-99-A6-6014. Purchases will be made under contracts made up to July 31, 1956, for delivery not later than September 30, 1956.

FTC Releases Report On Price Discrimination

The Federal Trade Commission has made public the report on the "cost justification" defense to charges of price discrimination under the Robinson-Patman act.

The report was made by a special committee, appointed in 1953, to study how the commission should handle such defenses.

In general, the committee strongly urged against adoption by the commission of rigid rules or concepts as to cost accounting. Its report, if backed by the commission, would give sellers charged under the act considerable flexibility in proving that their prices were justified. Copies of the report are available from the FTC.

Paisley Products Acquires Woerz Paste & Gum Co.

Paisley Products, Inc., New York, has acquired Woerz Paste & Gum Company, Los Angeles. The firm will be operated as a Paisley division.

Ralph C. Woerz, former owner-manager, will continue as general manager of the division. He will direct distribution of the combined Woerz-Paisley line of industrial adhesives and resins to the west coast area.

Alkali Industry's

—Continued from page 3

newer natural recovery plant and some expansions of lime soda plants) were built prior to World War II under substantially lower construction costs than prevail today."

[The Diamond report shows that while construction costs have increased 280 percent since 1939, the price of light soda ash has increased slightly under 200 percent in that period.]

"Aside from the recently initiated production of soda ash via the carbonation of byproduct caustic and some probable expansion in natural ash production," according to Mr. Logan, "there is no increase of soda ash capacity currently anticipated."

Why No Increase Is Anticipated

Why is no increase anticipated? Industry sources gave OPD several good reasons last week. In the first place, it is pointed out that construction of a new plant requires choice of a location where both salt and limestone are easily accessible.

This necessitates purchase of tracts thousands of acres in area, development of resources, building of rail lines, and solving of various other problems in mining and shipping of raw materials.

Next come the construction of new equipment, which by necessity is elaborate and heavy, and which, according to the industry, is unwarranted today by prohibitive costs.

Industry sources are also in accord that problems of expansion of existing facilities are almost insurmountable. Expansion of a lime soda plant means total expansion, it is pointed out.

Enlargement of facilities is limited by ability to quarry limestone and pump salt brine, and necessarily begins at raw material sources.

In addition, manufacturing facilities also must be increased in order to handle the larger volumes of raw material. This, too, is regarded as unwarranted by today's price-cost squeeze.

Nor do the difficulties stop with synthetic soda ash, it is emphasized. Natural soda ash producers, who do not have comparable production problems, are nonetheless hindered by geographical location.

Existing deposits, such as those in Wyoming and California, are at present prices too far away from the bulk of consuming industries to warrant long distance shipments.

Caustic Soda as Substitute

Soda ash producers point out that in some consuming processes, primarily those which buy soda ash and then causticize it, caustic soda can be used as a substitute.

However, some phases of bauxite refining require a soda ash process in order to achieve desired quality, and the same holds true for manufacture of certain phosphates.

One key industry which cannot possibly do without soda ash is the glass industry. Some 29 percent of current soda ash production moves in that direction.

Despite this bleak picture, there is some optimism present in the industry. Diamond's report states:—

"We feel certain that this price-cost squeeze will rectify itself in time, and that the position of the basic chemical producers among the topmoney earners in the industry will again be established as it was in the 1930's. But until this takes place, we must accept an inadequate return on this important segment of our business."

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Business Stability

—Continued from page 3

from February's 58 percent. Price decreases were reported by only 1 percent, compared with 3 percent last month, and 31 percent indicated prices the same as in February.

In March, 32 percent of the committee members report inventories higher, against 30 percent in February. They attribute this largely to the good production rates of suppliers, and a build-up of steel items against price increases or labor difficulties. No change is reported by 57 percent, compared with 55 percent a month ago, and 11 percent report lower stocks, compared with 15 percent last month.

Employment

The number of people on the pay rolls of the reporting committee members remains substantially the same. There were 66 percent, compared with 71 percent in February, who said employment figures are unchanged; a slight increase, from 20 percent to 23 percent, among those who saw some improvement; 11 percent reported a decline in employment, against 9 percent last month, with many of them optimistic about an upturn with better weather and settlement of local strikes.

Buying Policy

There are very slight changes in forward purchasing plans shown in the March reports. On production materials, 38 percent report a ninety-days-plus policy, with 4 percent on a hand-to-mouth basis. In February, the statistics were 36 percent and 5 percent, respectively.

The reports show 21 percent in the thirty-day bracket and 37 percent planning 60 days, against 21 percent and 38 percent on production items in February. For MRO supplies, 16 percent buy hand-to-mouth; 38 percent report thirty days; 32 percent say sixty days, and 14 percent at ninety-days-plus.

For capital goods, 9 percent show sixty days; 19 percent cover ninety days, and 64 percent extend six months to a year, with 8 percent in the thirty-days-or-less range.

Specific Commodity Changes

Copper price increases are reported by many and led a general upward price movement in March.

On the up side are: Brass and brass products, bronze ingots, copper and copper products, steel, castings, tin plate, selenium, linseed oil, alcohol nitrogen, acetone paper, kraft, multiwall bags, lumber, coal, fuel oil lubricating oils, oxygen, carbide, acetylene, paints, freight rates, valves pipe fittings and fasteners.

On the down side are: Steel scrap and rubber.

In short supply are: Aluminum, copper, nickel, steel, (pipe, plate, structural, stainless, shapes, sheets and many products), selenium, titanium dioxide, methanol, paper, kraft, cellophane, newsprint, synthetic rubber and cement.

Pennsalt Unit Names Ogden

Pennsylvania Salt Manufacturing Company, Philadelphia, has appointed Robert P. Ogden plant manager of its Sharples Chemical Division's Riverview, Mich., works.

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nuisance, and have to be dealt with as a waste product at the present time.

"We note with interest that the initial results on the sterilization of drugs and pasteurization of foodstuffs are quite encouraging and that these peaceful uses of the atom require relatively large amounts of gamma radiation," he said.

"Perhaps fission products could be separated for this purpose, or perhaps radiation services could be supplied from atomic power plants themselves.

"It is by no means clear that fission products cannot be made useful and profitable if the talents of more chemical technologists were applied to this goal. The present cost of fractionation and handling are somewhat high, but they could be reducible by a considerable factor.

"Another example of the successful use of intense radiation is in the induction of chemical reactions, particularly polymerization. It may be that atomic piles will be needed by chemical plants simply in order to supply enough radiation for just this one use.

"The great amount of heat which is generated from every atomic reactor cannot be used completely for the generation of electric power, and tremendous quantities of waste heat are therefore available. It is conceivable, and not at all unlikely, that such quantities of heat will be of use in chemical processing.

"In other words, a close look indicates that there are a number of ways in which a normal chemical business can be combined with a power generating station in ways which may be mutually profitable. We have every hope that this will be so, for we need the good chemists in the employ of industry, and we need their services urgently.

Esso's Chemicals

—Continued from page 3

taken at Baton Rouge will be facilities for increasing aviation-gasoline production; lubricating oil, wax and shipping facilities; improvements to refinery utilities; and additional equipment for the production of ethylene and butadiene.

"The ethylene and butadiene projects," according to H. J. Voorhies, vice-president and general manager at Baton Rouge, "emphasize the growing importance of chemicals from oil and represent another step in the Baton Rouge refinery's continuing program to keep pace with the latest developments, not only in the manufacture of high quality gasoline and other petroleum products, but in the field of petrochemicals as well."

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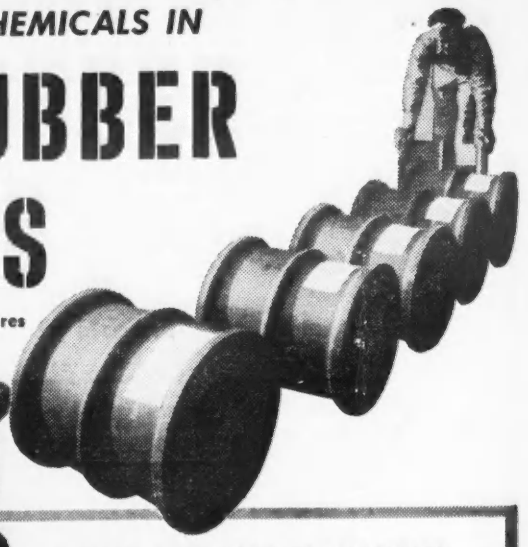

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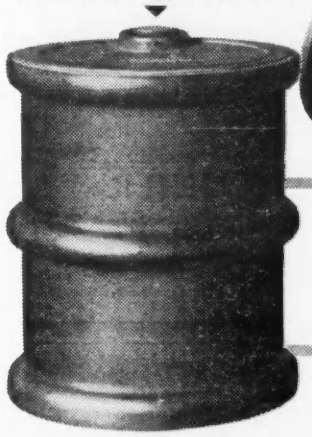

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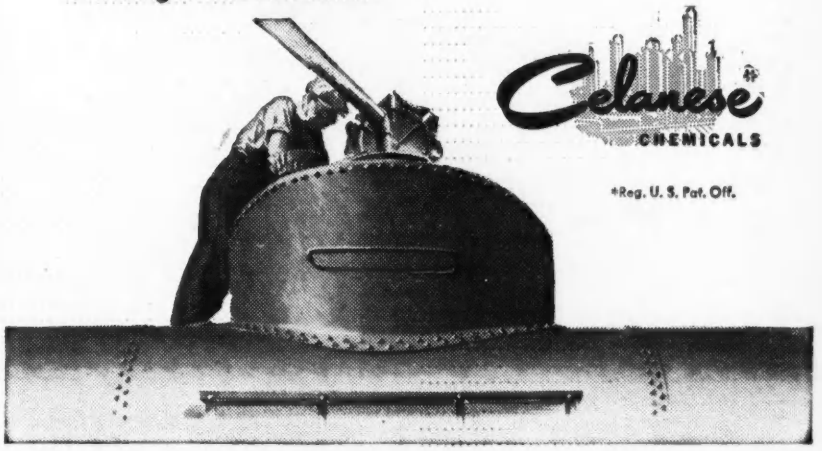

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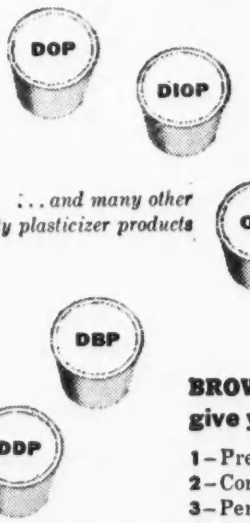

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